

three inch = one foot

one and one half inch = one foot

one inch = one foot

three quarter inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

A

B

C

D

E

F

PLUMBING LEGEND

EX SAN

EXISTING SANITARY PIPING

EX ST

EXISTING STORM PIPING

EX V

EXISTING VENT PIPING

EX W

EXISTING DOMESTIC WATER PIPING

EX CW

EXISTING COLD WATER PIPING

EX HW

EXISTING HOT WATER PIPING

CW

COLD WATER PIPING

HW

HOT WATER PIPING

SAN

SANITARY PIPING

ST

STORM PIPING

VENT

VENT PIPING

OF

OVERFLOW

A

COMPRESSED AIR

G

NATURAL GAS MAIN FUEL

G(I)

NATURAL GAS IGNITER FUEL

LPG(I)

LIQUEFIED PETROLEUM GAS IGNITER FUEL

FOS

FUEL OIL SUPPLY

FOR

FUEL OIL RETURN

CW

COLD WATER (CITY WATER)

SW

SOFTENED WATER

HW

HOT WATER

○

PIPE UP

◐

PIPE DOWN

×

PIPING TO BE REMOVED

⌈

CAP

⌋

BALL VALVE

●

REMOVE EXISTING TO THIS POINT

||

PIPE CLEANOUT

GENERAL NOTES

1. PROVIDE ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED TO COMPLETE DEMOLITION OF THE CURRENT PIPING, AS WELL AS AN OPERABLE FINAL CONFIGURATION PLUMBING SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY APPLICABLE LOCAL CODES AND REGULATIONS.

2. CONTRACT DOCUMENT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.

3. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND ALL APPLICABLE CODES AND REGULATIONS.

4. COORDINATE CONSTRUCTION OF ALL PLUMBING WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL, AND HVAC WORK SHOWN ON OTHER CONTRACT DRAWINGS.

5. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS, OR CALLED OUT IN THE SPECIFICATIONS, ARE APPROXIMATE ONLY. DO NOT SCALE DRAWINGS.

6. PROVIDE CLEANOUTS IN SANITARY DRAINAGE SYSTEMS AT ENDS OF RUNS, AT CHANGES IN DIRECTION, NEAR THE BASE OF STACKS, EVERY 50 FEET IN HORIZONTAL RUNS, AND ELSEWHERE AS INDICATED.

7. ALL CLEANOUTS SHALL BE FULL SIZE OF PIPE FOR PIPE SIZES 4 INCHES AND SMALLER.

8. ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSET IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES.

9. ALL OPENINGS IN FIRE WALLS FOR PIPING, OR REMAINING AFTER THE REMOVAL OF PIPING, SHALL BE FILLED WITH GROUT OR FIRE STOPPING MATERIAL WITH A FIRE RATING OF TWO HOURS OR GREATER.

10. ALL PIPING SHALL CLEAR DOORS.

11. ALL WORK IN GROUND FLOOR SHALL BE DONE AT NIGHT, ON WEEKENDS, OR ON FEDERAL HOLIDAY. OWNER SHALL BE NOTIFIED OF WORK SCHEDULE AT NIGHT AND SCHEDULE SHALL BE APPROVED BY THE COR.

12. PLUMBING WORK SHALL BE COMPLETED WITHOUT DISTURBING SERVICE OUTSIDE THE CONSTRUCTION AREA IF AT ALL POSSIBLE. IN THE EVENT THAT SHUTDOWN OF SYSTEMS IS REQUIRED, CONTRACTOR SHALL COORDINATE SHUTDOWN WITH THE COR. CONTRACTOR SHALL BE PREPARED ON SITE WITH "JET-SWET" TOOL OR SIMILAR TO STOP FLOW OF WATER AFTER SHUTDOWN IF EXISTING VALVES DO NOT HOLD.

13. ALL AREA D PLUMBING HOOKUP LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION PHASE AND COMPLETED IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE, 2012 EDITION. FINAL CONFIGURATION RECORDED BY CONTRACTOR ON RECORD DRAWINGS.

VA FORM 08-6231, Oct 1978

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CONSULTANTS:

STAMP

STATE OF NEW YORK

SEIC A. GALLIN

060309

PLUMBING PROFESSIONAL ENGINEER

ARCHITECTS/ENGINEERS:

RJR

www.rjpec.com

RJR ENGINEERING, P.C.

PROFESSIONAL ENGINEERS

P.O. BOX 344 - 23 Mechanic Street

Springville, New York 14141-0344

SWR ARCHITECTS

309 South Franklin Street Syracuse, NY 13202

Voice: 315.488.5635 www.swr.com

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

Drawing Title:  
PLUMBING LEGEND & NOTES

Approved: Project Director

Project Title:  
BUSINESS OFFICE RENOVATION

Location: 800 Irving Avenue  
Syracuse, NY 13210

Date: 10/01/15

Project Number:  
528A7-14-701

Building Number:  
1

Checked: ELK

Drawing Number:  
P-001

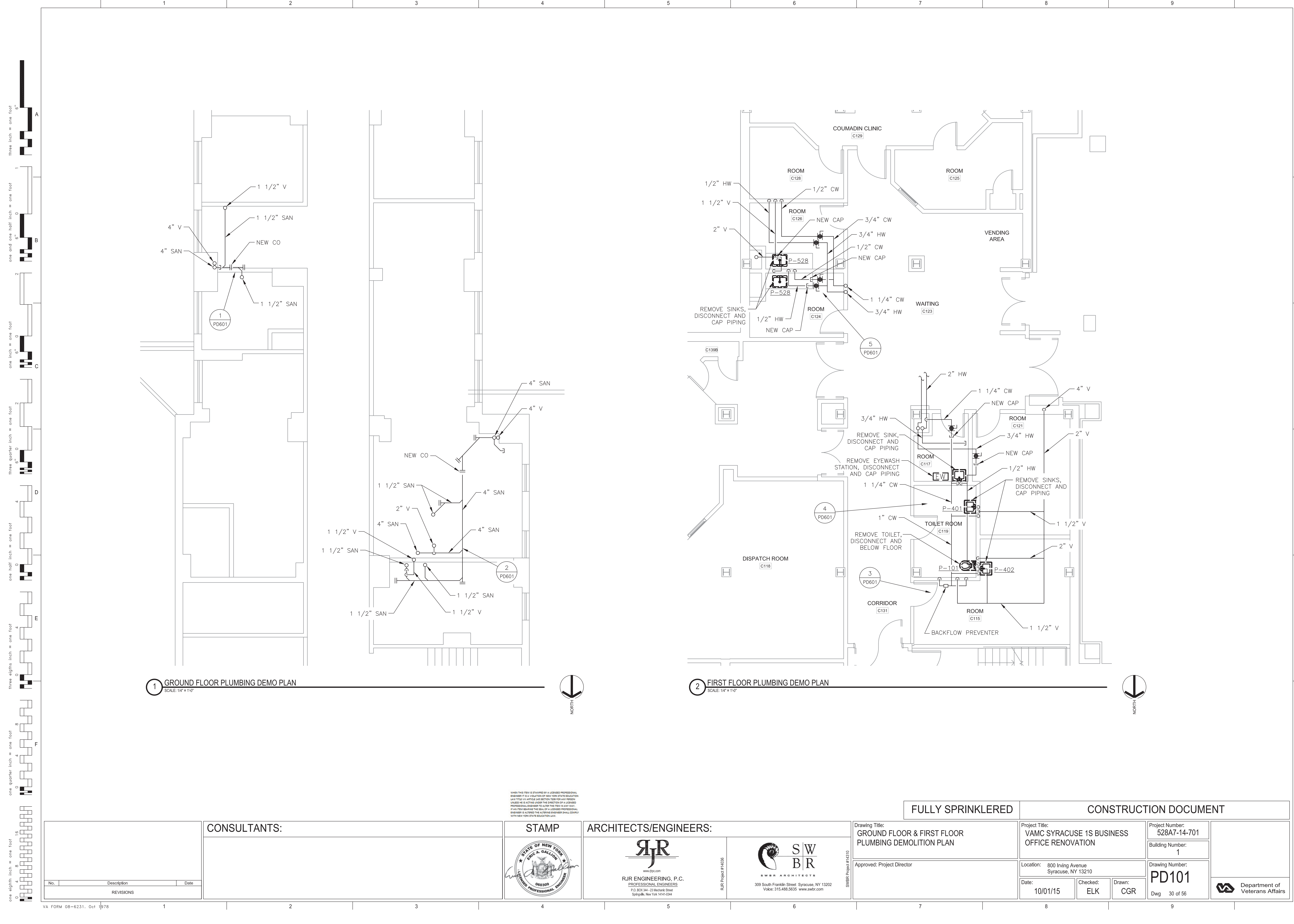
Dwg 29 of 56

Drawn: CGR

Department of  
Veterans Affairs

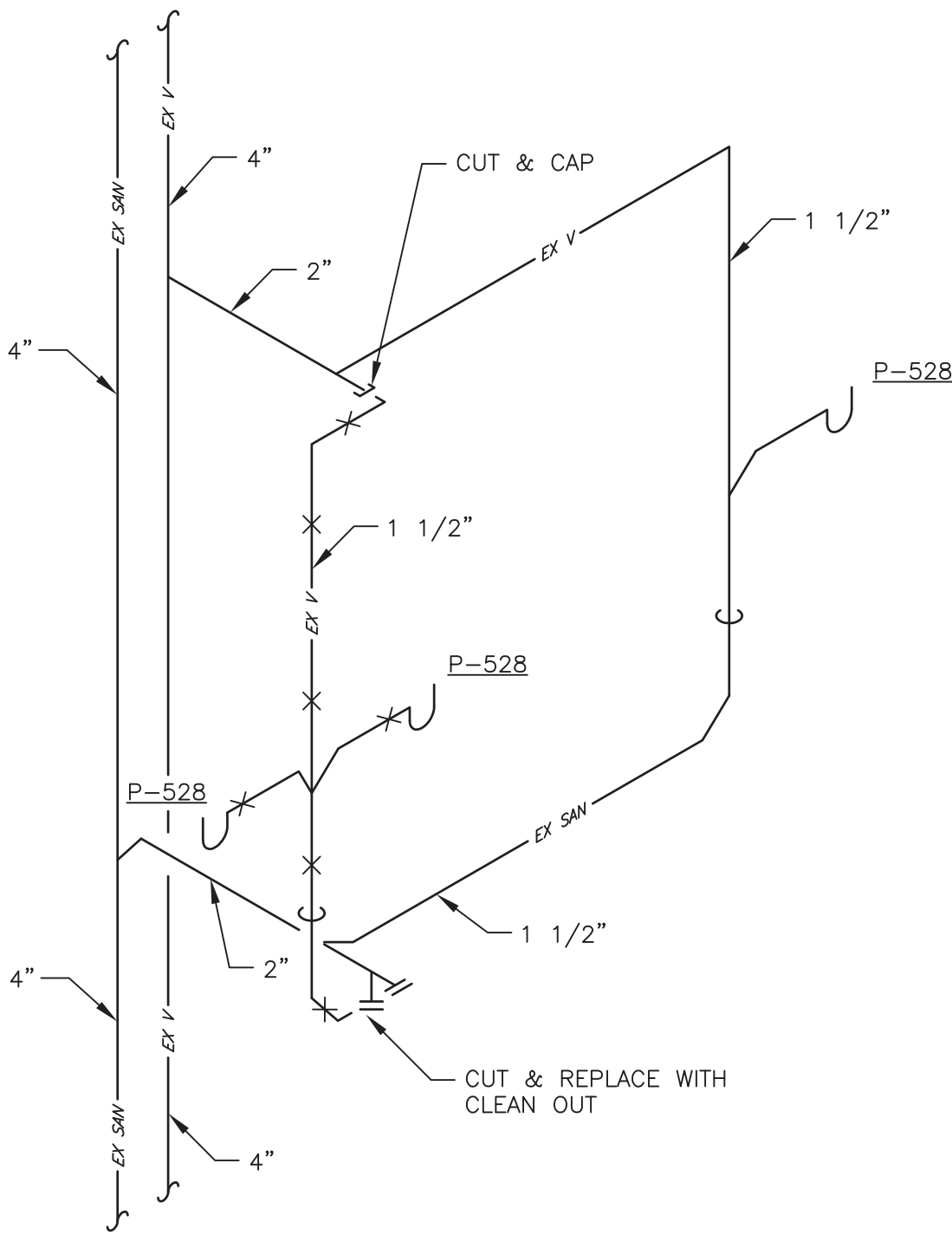
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SWR Project #14308

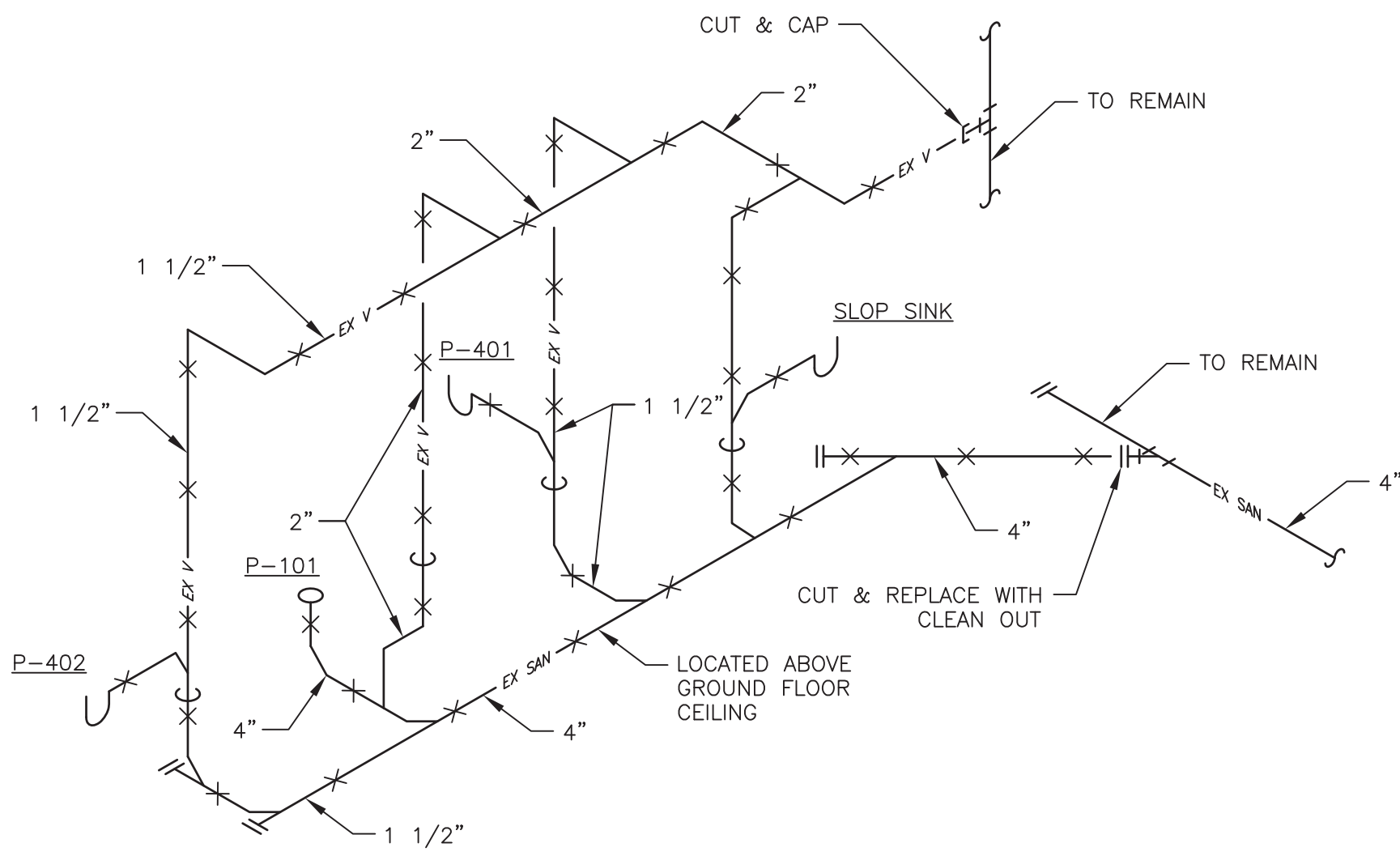




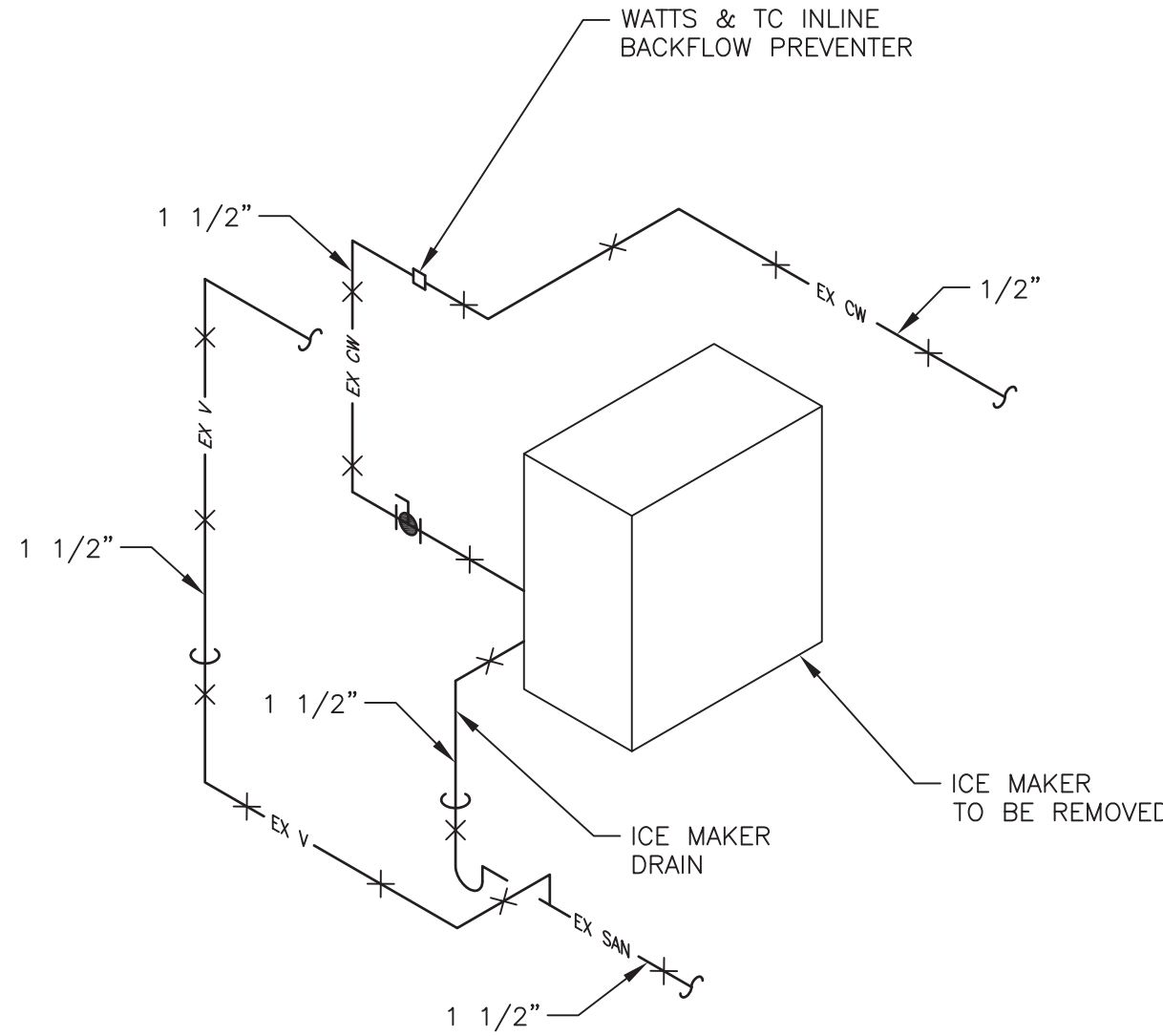
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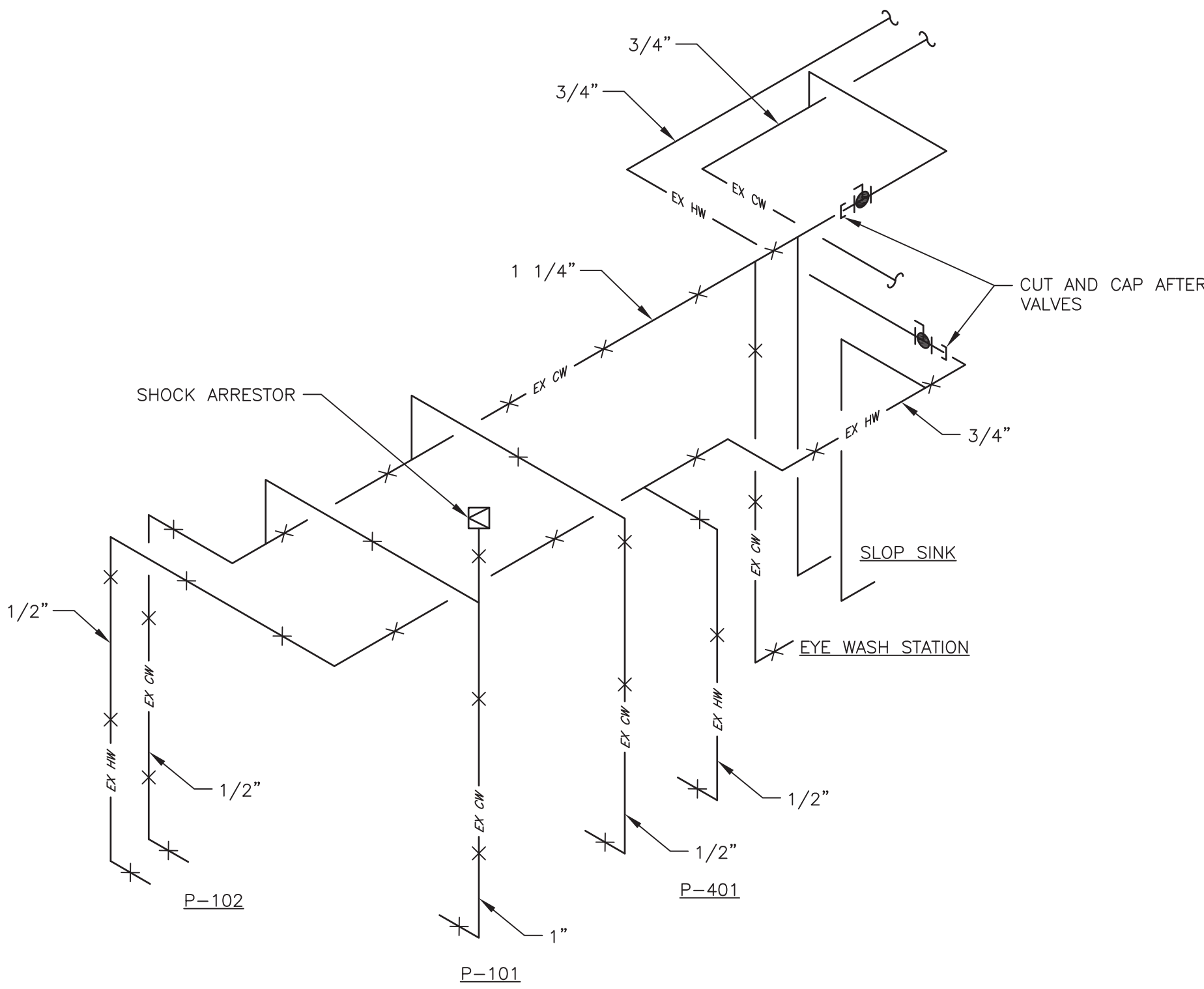
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(ROOMS C108, C126 AND C124)  
NTS



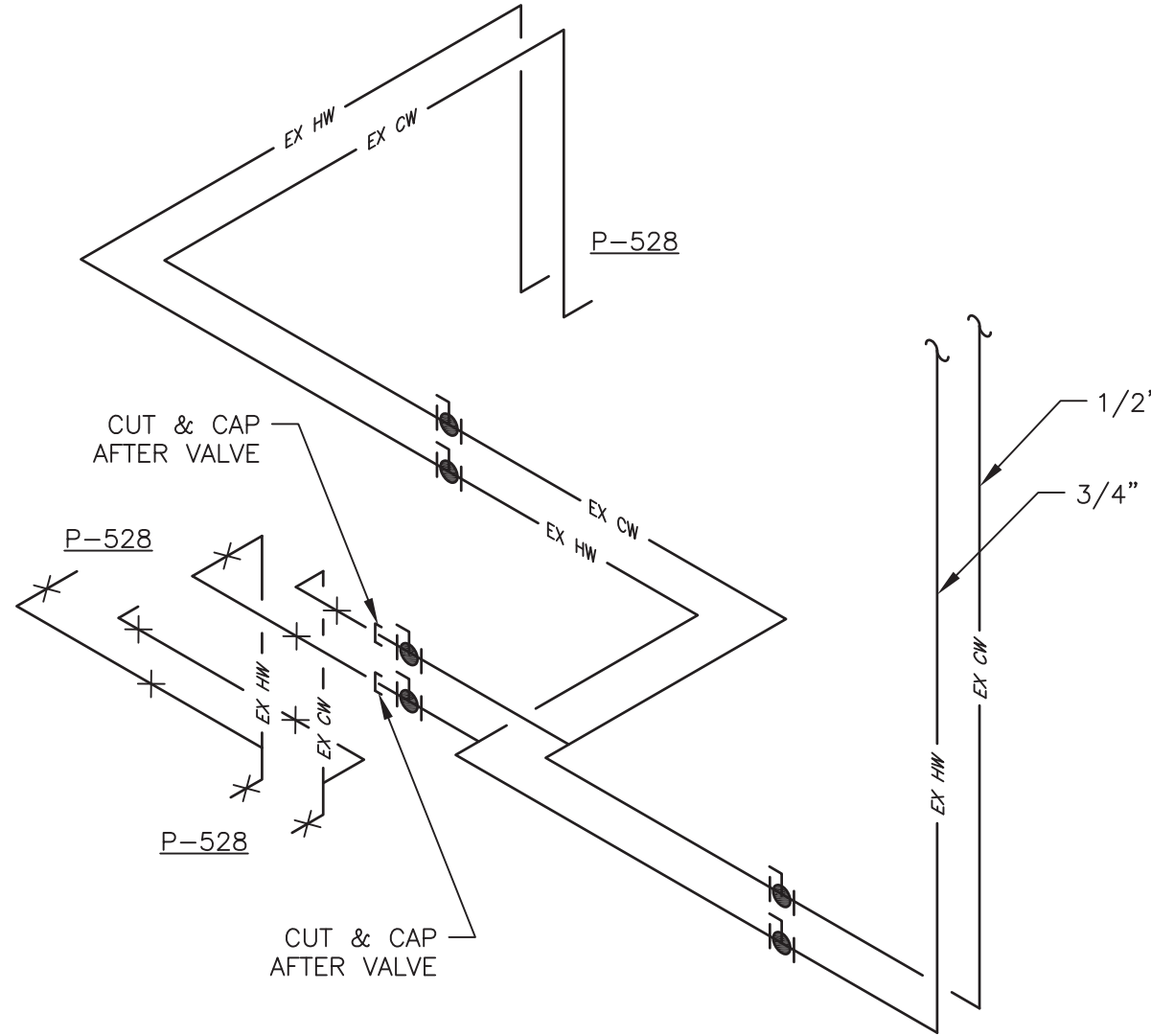
2 SANITARY/VENT DEMO SCHEMATIC  
(ROOMS C119 AND C115)  
NTS



3 ICE MACHINE SANITARY/VENT & WATER DEMO SCHEMATIC  
NTS



4 WATER DEMO SCHEMATIC  
(ROOMS C119 AND C115)  
NTS



5 WATER DEMO SCHEMATIC  
(ROOMS C126 AND C124)  
NTS

WHEN THIS SEAL IS STAMPED BY A LICENSED PROFESSIONAL ENGINEER IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW TITLE XIX ARTICLE 24B SECTION 2009 FOR ANY REASON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ACT FOR THE FIRM IN ANY WAY. IF AN FTE SEALING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS ACTED THE ACTING ENGINEER SHALL COMPLY WITH NEW YORK STATE EDUCATION LAW.

| No.       | Description | Date |
|-----------|-------------|------|
| REVISIONS |             |      |

CONSULTANTS:

STAMP



ARCHITECTS/ENGINEERS:



RJR ENGINEERING, P.C.  
PROFESSIONAL ENGINEERS  
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Springville, New York 14141-0344



309 South Franklin Street Syracuse, NY 13202  
Voice: 315.488.5635 www.swb.com

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

Drawing Title:  
PLUMBING DEMOLITION SCHEMATICS

Approved: Project Director

Project Title:  
VAMC SYRACUSE 1S BUSINESS  
OFFICE RENOVATION

Location: 800 Irving Avenue  
Syracuse, NY 13210

Date:  
10/01/15

Checked:  
ELK

Drawn:  
CGR

Project Number:  
528A7-14-701  
Building Number:  
1

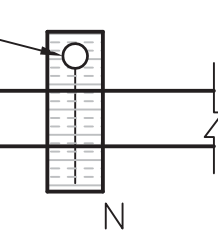
Drawing Number:  
PD601

Dwg 31 of 56

Department of  
Veterans Affairs



## WALL BEING REMOVED



E or N  
XXcd (CANDELA RATING)  
W WATTS

d (CANDELA RATING)

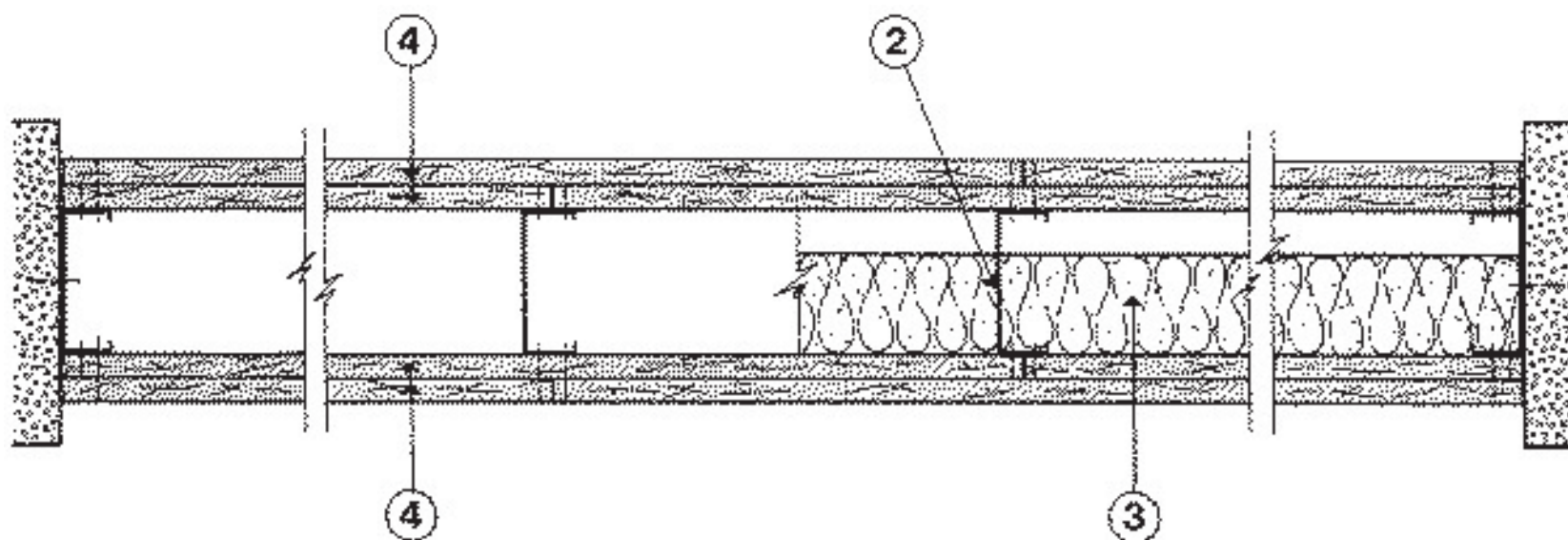
F/S DPR

1. INSTALLATION / MODIFICATIONS OF FIRE ALARM SHALL BE IN ACCORDANCE WITH NFPA 72, NATIONAL FIRE ALARM CODE AND THE VA FIRE PROTECTION DESIGN MANUAL (SIXTH EDITION).
2. ALL DEVICE INSTALLED SHALL BE COMPATIBLE WITH THE FIRE ALARM SYSTEM AND APPROVED BY THE FIRE ALARM SYSTEM MANUFACTURER.
3. NEW SPEAKER AND STROBE UNITS WILL BE INSTALLED. CANDELA RATING SHALL BE A MINIMUM AS SPECIFIED IN SECTION 283100.
4. LABEL ALL DEVICES WITH ZONE/CIRCUIT/ADDRESS. PAINT ALL JUNCTION BOX COVER PLATES AND LABEL SLC OR NAC OR BOTH.
5. SMOKE / FIRE DOR MAGNETIC HOLDERS WILL REMAIN IN PLACE OR BE MODIFIED TO SUIT THE NEW CONSTRUCTION.
6. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN RACEWAY SEPARATE FROM ALL OTHER SYSTEMS.
7. WIRING SHALL BE THE SIZE AND TYPE AS SPECIFIED IN SECTION 283100
8. WIRING FOR LOCAL BUILDING FIRE ALARM SYSTEMS SHALL BE SPECIFIED AS DEFINED IN NFPA 72 AS FOLLOWS:
  - A. SIGNALING LINE CIRCUITS (SLC): CLASS B.
  - B. NOTIFICATION APPLIANCE CIRCUITS (NAC): CLASS B.
  - C. COMMUNICATIONS BETWEEN BUILDING FIRE ALARM CONTROL UNITS: CLASS X.
9. WIRING INSTALLED IN METAL RACEWAY WITHIN BUILDINGS THAT ARE PROTECTED THROUGHOUT BY SPRINKLERS SHALL BE CONSIDERED TO MEET THE REQUIREMENTS FOR PATHWAY SURVIVABILITY LEVEL 2 IN ACCORDANCE WITH NFPA 72 (LATEST EDITION) AS A 2-HOUR PERFORMANCE ALTERNATIVE THAT HAS BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION AND SHALL BE PERMITTED FOR VOICE COMMUNICATION SYSTEMS IN VA FACILITIES.
10. RE-ZONED FIRE AREAS
  - A. THE SMOKE BOUNDARY BETWEEN EXISTING ZONE 32 AND ZONE 23 WILL BE COMBINED INTO ONE ZONE. (ZONE 23)
  - B. ALL DETECTION AND NOTIFICATION DEVICES SHALL BE REPROGRAMMED TO RESPOND TO ZONE 23 ALARM CONDITIONS. THIS INCLUDES THE SPRINKLER FLOW SWITCH AND APPROPRIATE DOOR GLASS RELEASES THAT CURRENTLY SERVE ZONE 32.
  - C. CONTRACTOR TO REPROGRAM FIRE ALARM PANEL AS REQUIRED.
  - D. SEE DETAIL 2 FOR FIRE ALARM PROGRAMMING MATRIX.
11. TESTING AND ACCEPTANCE
  - A. TEST PER CONTRACT SPECIFICATION AND NFPA 72.
  - B. PROVIDE TEST REPORTS PER NFPA 72.
  - C. NOTIFY COR 24 HOURS PRIOR TO PRELIMINARY TESTING
  - D. NOTIFY COR 3 DAYS PRIOR TO FINAL COMMISSIONING.

1. INSTALLATION OF SPRINKLER SYSTEMS SHALL BE IN ACCORDANCE WITH NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS AND THE VA FIRE PROTECTION DESIGN MANUAL (SIXTH EDITION).
2. MATERIALS SHALL BE U.L. LISTED OR FM APPROVED.
3. INSTALL FM APPROVED, NEW QUICK RESPONSE SPRINKLER HEADS AS REQUIRED. SPRINKLER HEADS SHOULD MATCH APPEARANCE WITH EXISTING HEADS.
4. INSPECT EXISTING PIPING FOR CORROSION PRIOR TO REUSE. IF EXCESSIVE CORROSION IS FOUND REPLACE PIPING.
5. POSITION ALL SPRINKLER HEADS IN THE CENTER OF CEILING GRID TILES. USE OF FLEXIBLE SPRINKLER DROPS IS PERMITTED.
6. ZONE 32 IS BEING ADDED TO ZONE 23. THIS SHOULD NOT AFFECT THE SPRINKLER SUPPLY PIPING IN THAT ALL PIPING IS SUPPLIED FROM THE SAME SOURCE. THE FIRE ALARM CONTRACTOR SHALL REPROGRAM THE FIRE ALARM PANEL FOR ZONING PURPOSES WHICH INCLUDES THE SPRINKLER FLOW AND TAMPER SWITCHES, RELABELED ZONE 32 VALVES AND FLOW SWITCHES WITH ZONE 23 LABELS LOCATED IN STAIRWELL 253.
7. TESTING AND ACCEPTANCE
  - A. PER NFPA 13, PARAGRAPH 25.2.1.4 MODIFICATIONS AFFECTING 20 OR FEWER SPRINKLERS SHALL NOT REQUIRE TESTING IN EXCESS OF SYSTEM WORKING PRESSURE. PERFORM 24 HOUR IN-SERVICE LEAK TEST.
  - B. AFTER RETURNING THE SYSTEM TO SERVICE PERFORM MAIN DRAIN TEST OF SECTION AFFECTED BY THE MODIFICATION TO ENSURE WATER FLOW IS NOT OBSTRUCTED. THIS CAN BE DONE AT THE FLOOR LEVEL MAIN DRAIN.
  - C. DOCUMENT ALL INSPECTION AND TESTING ON THE CONTRACTORS MATERIAL AND TEST CERTIFICATE.

| ITEM | QTY | DESCRIPTION                    | MAKE    | MODEL    |
|------|-----|--------------------------------|---------|----------|
| 1    | 1   | REMOTE LAMP AND TEST SWITCH    | EDWARDS | SD-TRK   |
| 2    | 1   | DUCT DETECTOR HOUSING ASSEMBLY | EDWARDS | SIGA-DH  |
| 3    | 1   | AIR SAMPLING TUBES, 8"         | EDWARDS | 62GI-001 |
| 4    | 1   | DETECTOR, PHOTO ELECTRIC       | EDWARDS | SIGA-PS  |
| 5    | 1   | DETECTOR, BAK                  | EDWARDS | SIGA-SB  |

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. **Floor and Ceiling Runner** – (Not Shown) – Min. 25 MSG galv steel, 1 in. return legs, 2-1/2 in. deep (min), attached to floor and ceiling with fasteners 24 in. OC max.
2. **Steel Studs** – Min 2-1/2 in. deep, formed of min 25 MSG galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
3. **Batts and Blankets** – (Optional) – Mineral wool or glass fiber batts partially or completely filling stud cavity.
4. **Gypsum Board** – 5/8 in. thick, outer layer paper, glass mat or vinyl surfaced. (Laminated System) Gypsum board applied vertically, two layers. Inner layer attached to studs with 1 in. long Type S steel screws spaced 12 OC along vertical edges and 12 in. OC in the field and outer layer laminated to inner layer with joint compound, applied with a notched scraper producing continuous beads of compound about 3/8 in. in diameter, spaced not greater than 2 in. OC. Joints of laminated outer layer offset 12 in. from inner layer joints Outer layer gypsum board attached to floor and ceiling runner track with 1-5/8 in. long Type S steel screws spaced 12 in. OC.

Optional, (Direct Attached System), Inner layer attached to studs with 1 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges. Outer layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges and 12 in. OC to the floor and ceiling runners. Joints of screw-attached outer layer offset from inner layer joints. Joints of outer layer may be taped or untaped.

Nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of classified veneer baseboard. Joints reinforced.

1 FIRE BARRIER REPLACEMENT - AREA B - WEST WALL (U.L.#U411)

| INPUT DEVICE  | ↓ | OUTPUT →   |
|---|---|--|
| Duct Smoke Detector*                                |   | 1. Sound general building alarm for Other and High Rise (non-Health Care). See Section 7.2.1   |
| Area Smoke Detector*                                | X | 2. Notify necessary staff for response for Health Care and High Rise buildings only (alarm signal may be different on different floors). |
| Door Release Smoke Detector*                        | X | 3. Notify Fire Department.   |
| Elevator Smoke Detector*                            | X | 4. Initiate supervisory signal to a 24-hour manned point for immediate response.   |
| Manual Pull Station                                 | X | 5. Close associate smoke barrier doors on the floor.   |
| Elevator Machine Room Heat Detector                 | X | 6. Close dampers on fan proximate to detector.   |
| Generator Room Heat Detector                        | X | 7. Shut down air handler served by the detector.   |
| Sprinkler Waterflow / Pressure Switch               | X | 8. Recall elevator.  |
| Water Control Valve Tamper                          |   | 9. Initiate elevator shut down and disconnect elevator power.  |
| Fire Pump (Any alarm condition required by NFPA 20) |   | 10. Open **locked egress doors on floor of fire origin.  |
| High/Low Pressure Dry-Pipe Sprinkler System         | X | 11. Disconnect fuel source from cooking equipment.   |
| Kitchen Hood Suppression System                     | X |  |
| Gas Extinguishing Systems                           | X |  |
| Dry-Pipe Valve Room Temperature Alarm               |   |  |
| Dedicated Fire Water Storage Tank Low Level         |   |  |
| Dedicated Fire Water Storage Tank Low Temperature   |   |  |

VA Fire Protection Design Manual - Fire Alarm System Input Output Matrix

\* While NFPA 101 does not require some detectors to notify building occupants, VA requires all smoke detectors, other than duct smoke detectors, to notify building occupants. Only install smoke detectors when required by the Life Safety Code or its references.

\*\* Those doors that are required to be tied to the fire alarm system such as delayed egress and access controlled doors.

a - Do not provide duct detectors in dedicated (100%) exhaust fans, they should continue to run.

## 2 FIRE ALARM MATRIX

SCALE : NTS

CONSTRUCTION DOCUMENT

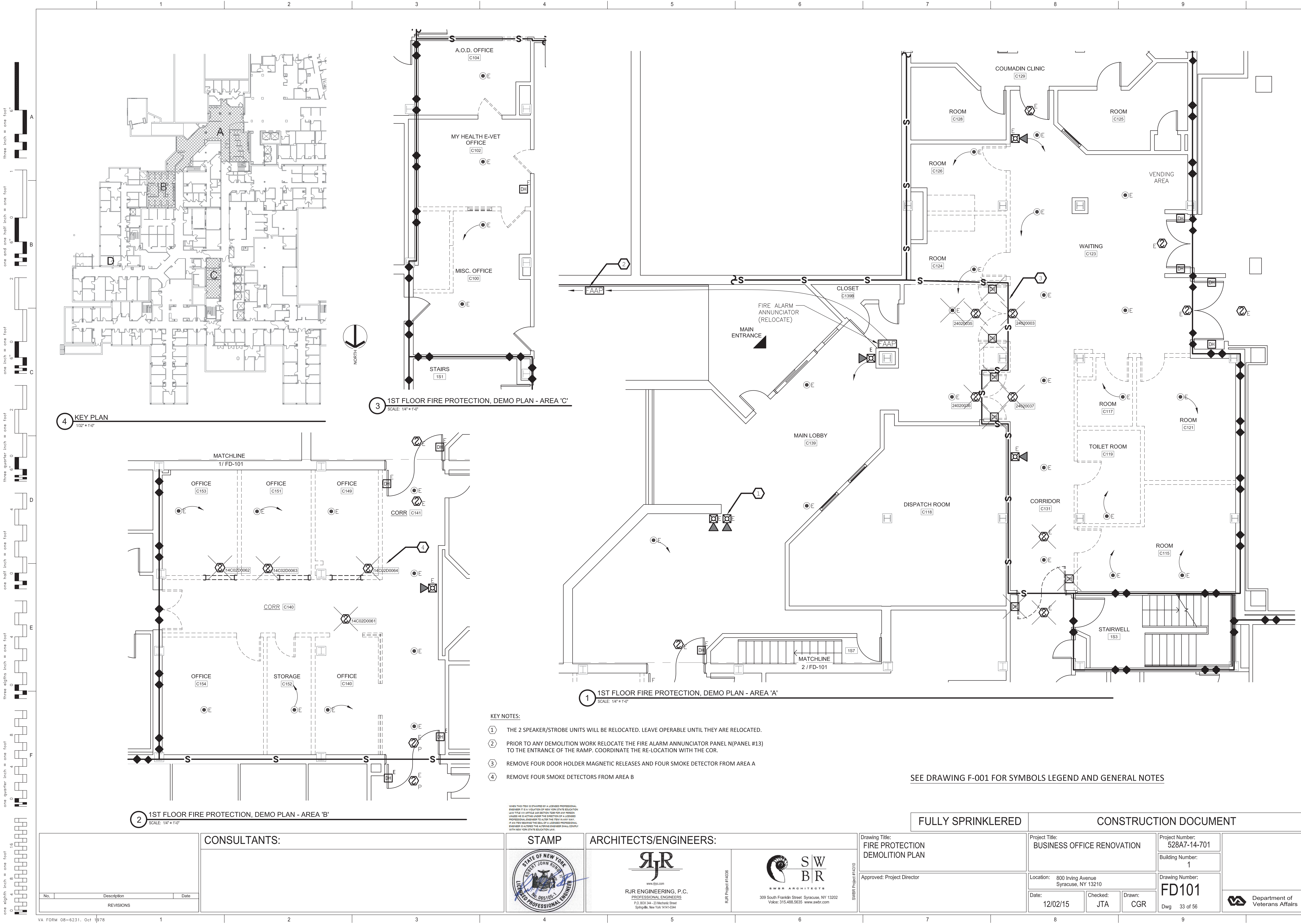
Dwg 32 of 56

Department of  
Veterans Affairs

VA FORM 08-6231. Oct 1978

1





- KEY NOTES:
- 1 THE 2 SPEAKER/STROBE UNITS WILL BE RELOCATED. LEAVE OPERABLE UNTIL THEY ARE RELOCATED.
  - 2 PRIOR TO ANY DEMOLITION WORK RELOCATE THE FIRE ALARM ANNUNCIATOR PANEL N (PANEL #13) TO THE ENTRANCE OF THE RAMP. COORDINATE THE RE-LOCATION WITH THE COR.
  - 3 REMOVE FOUR DOOR HOLDER MAGNETIC RELEASES AND FOUR SMOKE DETECTOR FROM AREA A
  - 4 REMOVE FOUR SMOKE DETECTORS FROM AREA B

SEE DRAWING F-001 FOR SYMBOLS LEGEND AND GENERAL NOTES

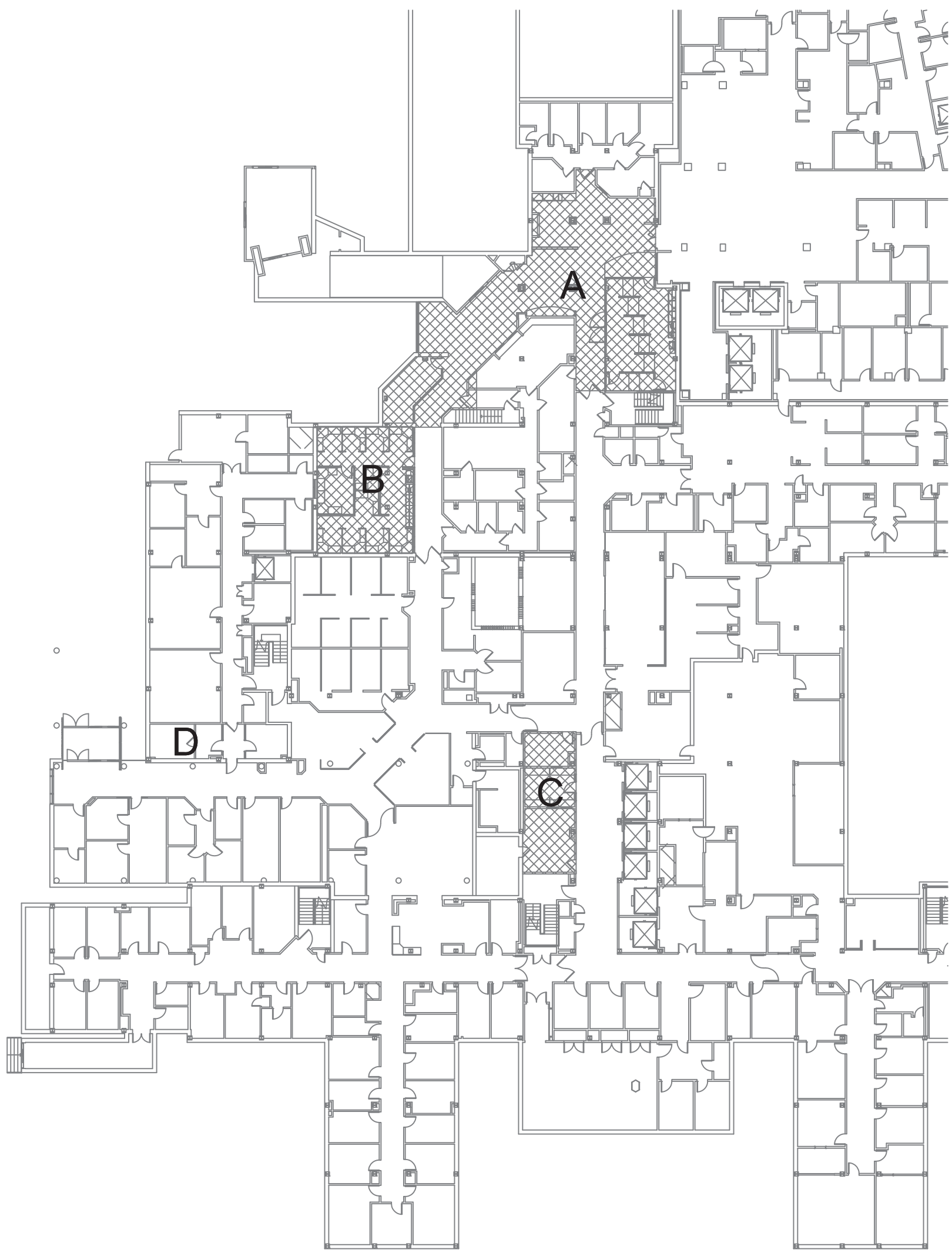
| FULLY SPRINKLERED                                    |  |  | CONSTRUCTION DOCUMENT                             |                 |                                   |                          |
|--|--|--|---|-----------------|-----------------------------------|--------------------------|
| Drawing Title:<br>FIRE PROTECTION<br>DEMOLITION PLAN |  |  | Project Title:<br>BUSINESS OFFICE RENOVATION      |                 | Project Number:<br>528A7-14-701   |                          |
| Approved: Project Director                           |  |  | Location: 800 Irving Avenue<br>Syracuse, NY 13210 |                 | Building Number:<br>1             |                          |
|  |  |  | Date:<br>12/02/15                                 | Checked:<br>JTA | Drawn:<br>CGR                     | Drawing Number:<br>FD101 |
|  |  |  | Dwg 33 of 56                                      |                 | Department of<br>Veterans Affairs |                          |



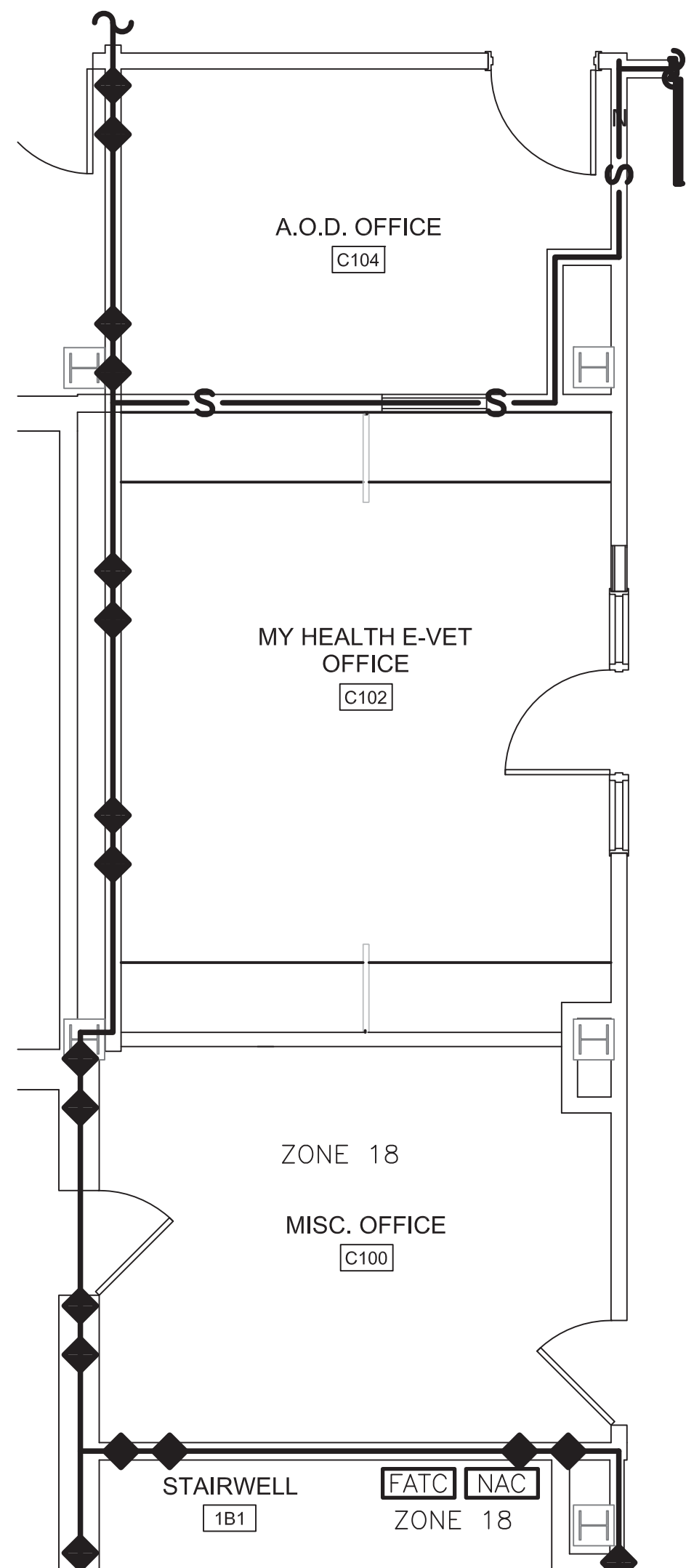




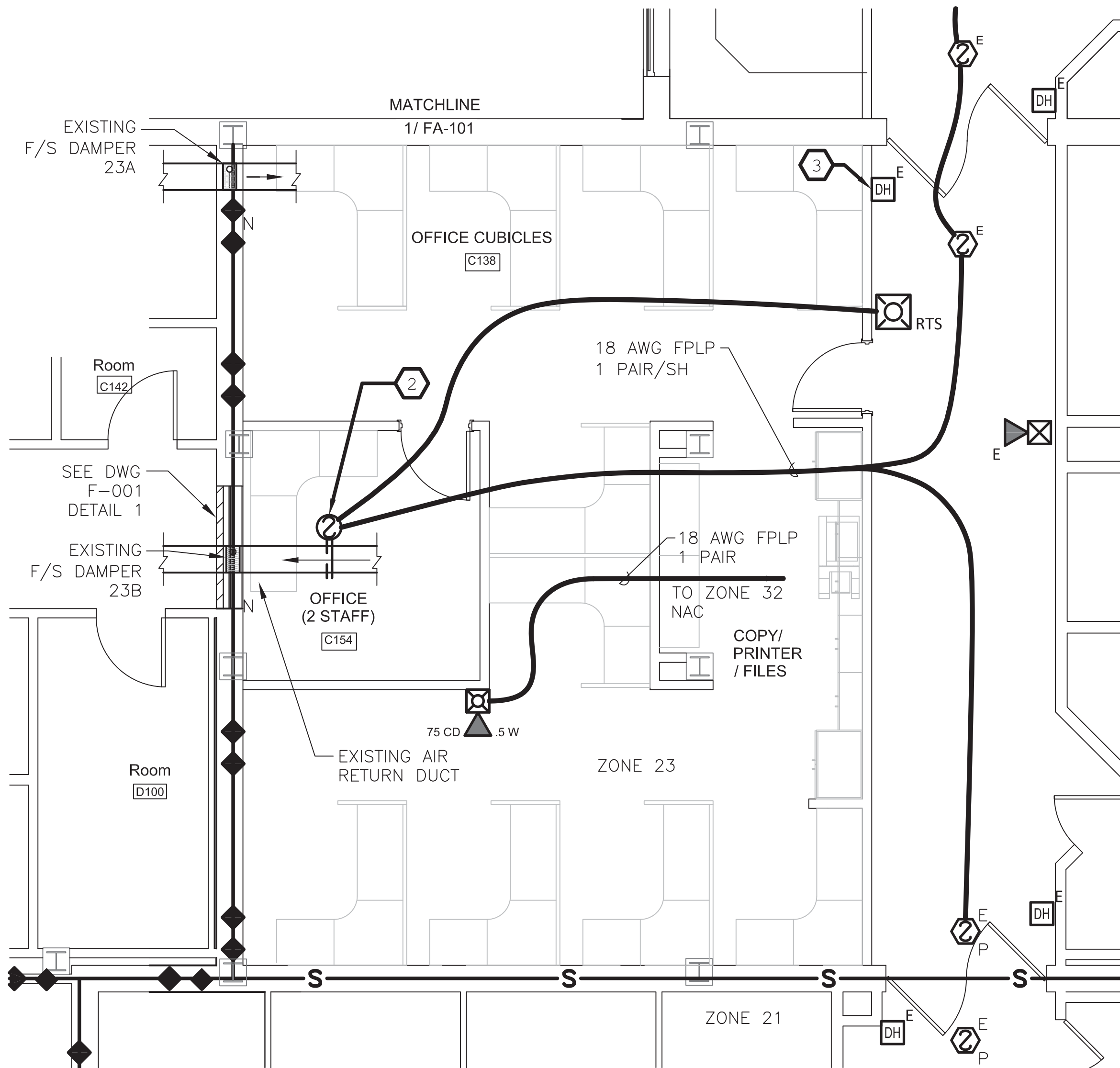
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ninety nine inch = one foot  
one hundred inch = one foot



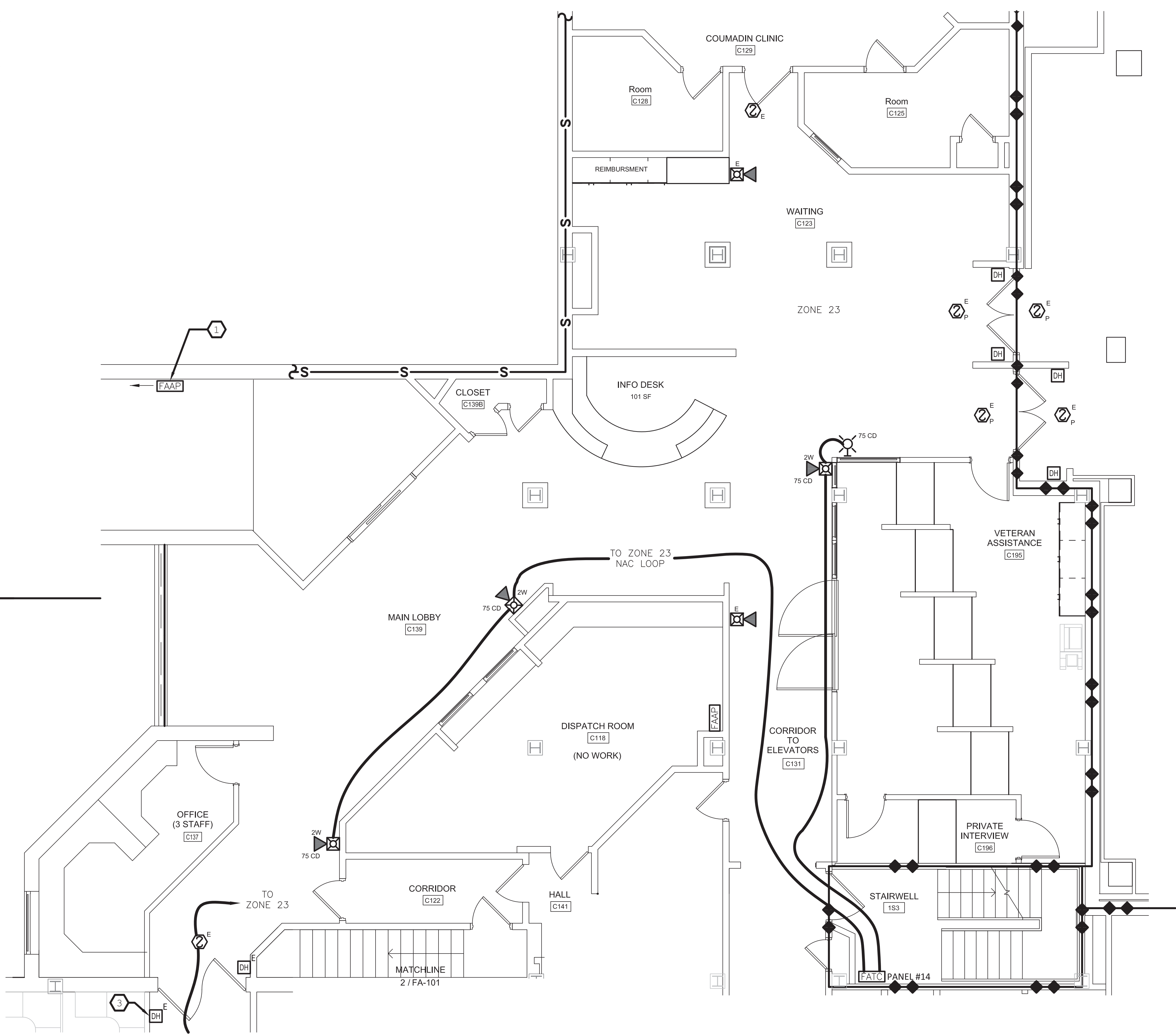
4 KEY PLAN  
1/32" = 1'-0"



3 1ST FLOOR FIRE ALARM PLAN - AREA 'C'  
SCALE: 1/4" = 1'-0"



2 1ST FLOOR FIRE ALARM PLAN - AREA 'B'  
SCALE: 1/4" = 1'-0"



1 1ST FLOOR FIRE ALARM PLAN - AREA 'A'  
SCALE: 1/4" = 1'-0"

KEY NOTES:

- RELOCATE FAAP (PANEL #13) AT ENTRANCE TO RAMP. FLUSH MOUNT USING EXISTING HARDWARE. ROUTE NEW DATA CABLE TO ORIGINAL SOURCE. (LOCATION TO BE SELECTED BY COR.)
- DUCT SMOKE DETECTOR LEADING FROM CORRIDORS 141 TO 145 WILL BE REPLACED. A NEW REMOTE INDICATOR LAMP/TEST SWITCH SHALL BE INSTALLED WITH THE DUCT DETECTOR. (SEE MATERIAL LIST FOR MAKE AND MODEL).
- THE DOOR HOLD IN CORRIDOR C141 SERVING THE DOORS LEADING TO THE LOBBY WILL NEED TO BE MODIFIED TO SUPPORT WALL DEMOLITION OF AREA B.

SEE DRAWING F-001 FOR SYMBOLS LEGEND AND GENERAL NOTES

| FULLY SPRINKLERED                 |  |  | CONSTRUCTION DOCUMENT                             |               |                                 |
|-----------------------------------|--|--|---|---------------|---------------------------------|
| Drawing Title:<br>FIRE ALARM PLAN |  |  | Project Title:<br>BUSINESS OFFICE RENOVATION      |               | Project Number:<br>528A7-14-701 |
| Approved: Project Director        |  |  | Location: 800 Irving Avenue<br>Syracuse, NY 13210 |               | Building Number:<br>1           |
| Date:<br>12/02/15                 |  |  | Checked:<br>JTA                                   | Drawn:<br>CGR | Drawing Number:<br>FA101        |
| Dwg<br>35 of 56                   |  |  | Department of<br>Veterans Affairs                 |               |                                 |



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0 4  
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0 6  
one and one half inch = one foot  
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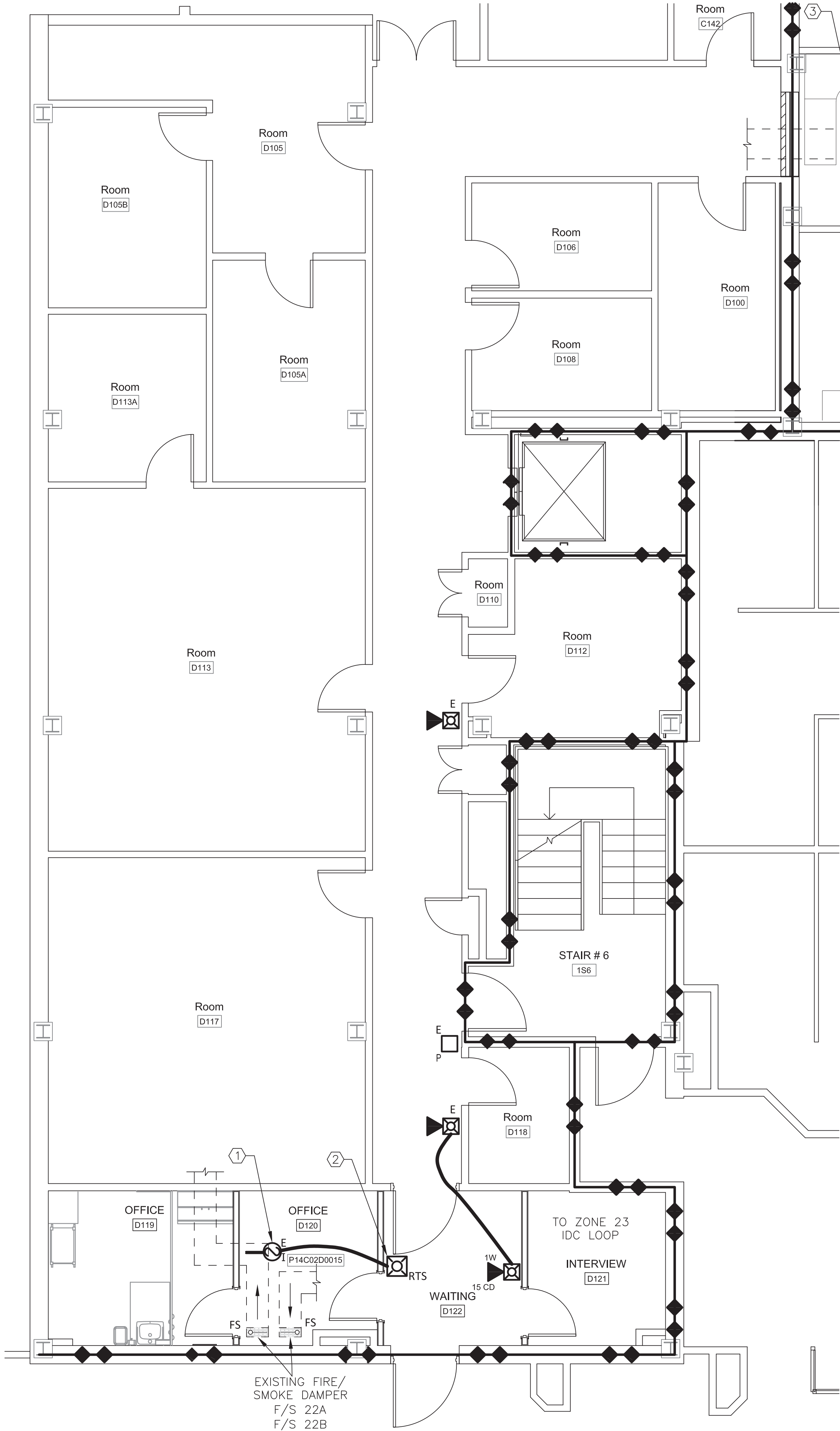


2 KEY PLAN  
SCALE: 1/32" = 1'-0"

KEY NOTES:

- 1 EXISTING DUCT SMOKE DETECTOR. RELOCATE AS NECESSARY TO MATCH ANY CHANGES TO HVAC DUCT ROUTING.  
2 NEW REMOTE TEST SWITCH AND INDICATOR LAMP FOR DUCT DETECTOR. LABEL AS FOLLOWS  
DUCT DETECTOR  
P14C02D0015  
OFFICE RM 0120

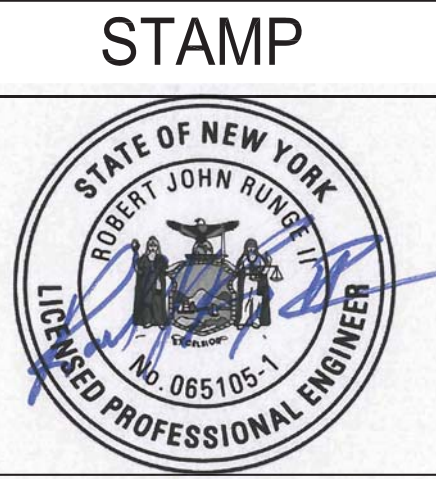
SEE DRAWING F-001 FOR SYMBOLS LEGEND AND GENERAL NOTES



1 1ST FLOOR FIRE ALARM PLAN - AREA 'D'  
SCALE: 1/4" = 1'-0"

| No.       | Description | Date |
|-----------|-------------|------|
| REVISIONS |             |      |

CONSULTANTS:



ARCHITECTS/ENGINEERS:

**RJR**  
www.rjr.com  
RJR ENGINEERING, P.C.  
PROFESSIONAL ENGINEERS  
P.O. BOX 344 - 23 Mechanic Street  
Springville, New York 14141-0344

**SWR**  
ARCHITECTS  
309 South Franklin Street Syracuse, NY 13202  
Voice: 315.488.5635 www.swr.com

Drawing Title:  
FIRE ALARM PLAN

Approved: Project Director

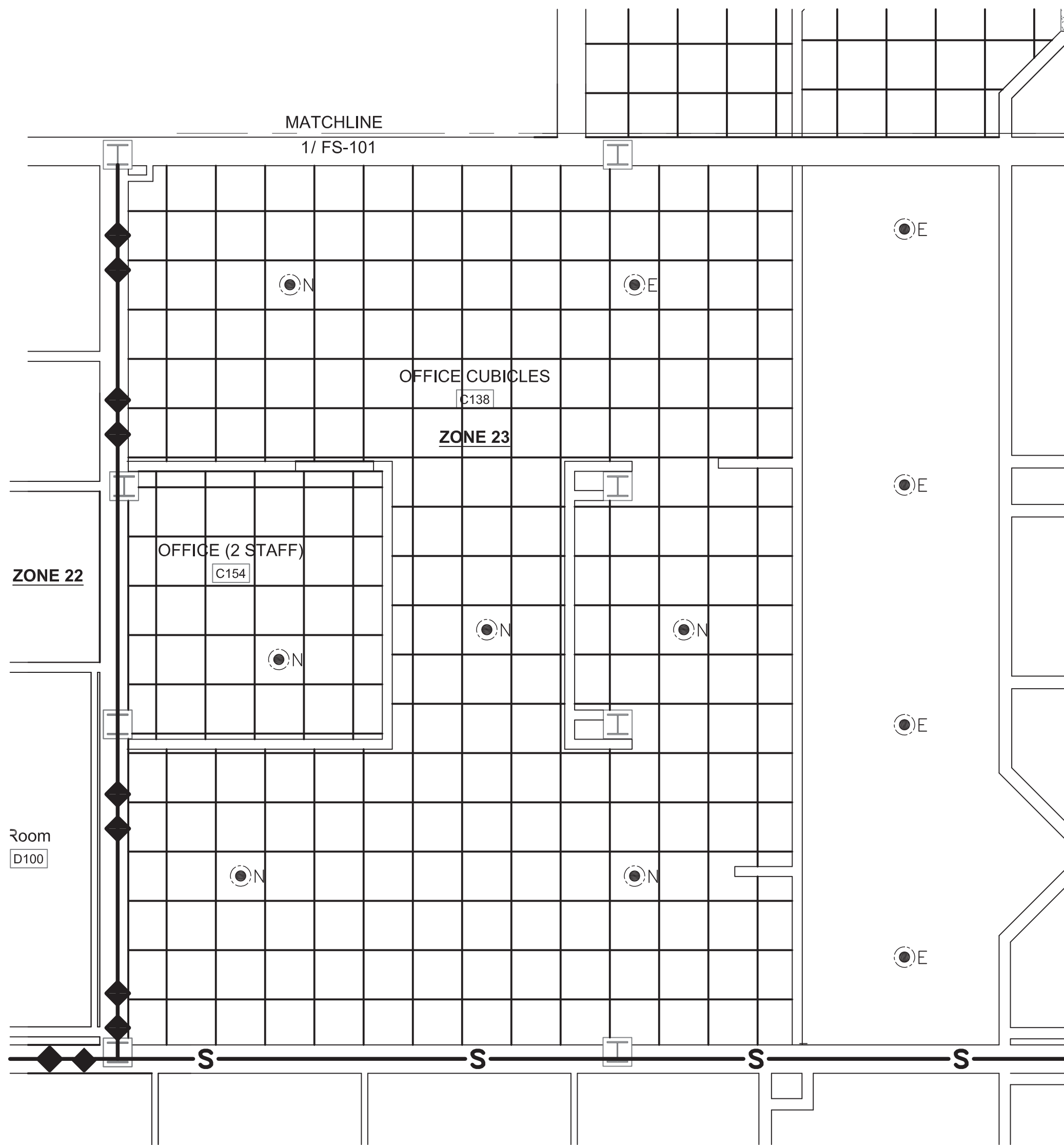
|   |                 |                                   |                          |
|---|-----------------|-----------------------------------|--------------------------|
| FULLY SPRINKLERED                                 |                 | CONSTRUCTION DOCUMENT             |                          |
| Project Title:<br>BUSINESS OFFICE RENOVATION      |                 | Project Number:<br>528A7-14-701   |                          |
| Location: 800 Irving Avenue<br>Syracuse, NY 13210 |                 | Building Number:<br>1             |                          |
| Date:<br>10/01/15                                 | Checked:<br>JTA | Drawn:<br>CGR                     | Drawing Number:<br>FA102 |
| Dwg 36 of 56                                      |                 | Department of<br>Veterans Affairs |                          |



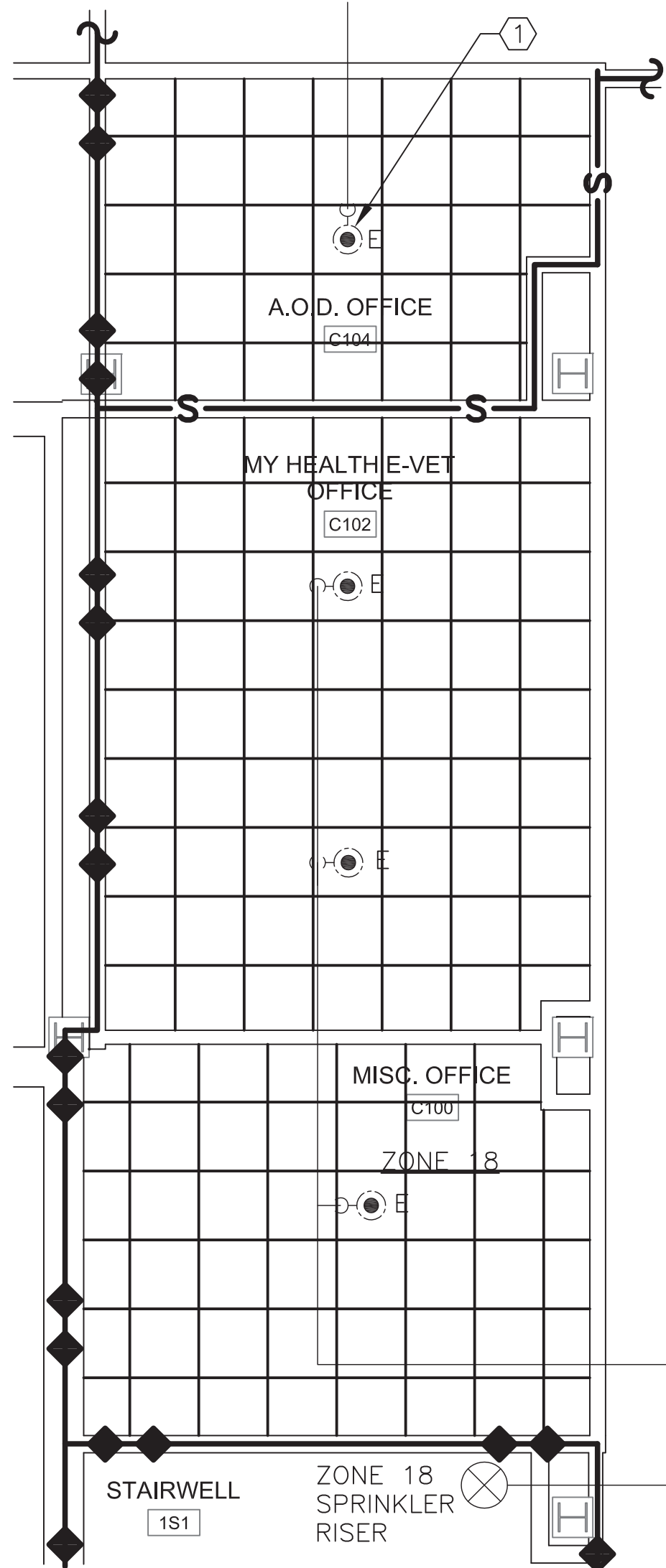
one eighth inch = one foot  
one quarter inch = one foot  
three eighths inch = one foot  
one half inch = one foot  
three quarters inch = one foot  
one inch = one foot  
one and one half inch = one foot  
two inch = one foot  
three inch = one foot  
four inch = one foot  
five inch = one foot  
six inch = one foot  
seven inch = one foot  
eight inch = one foot  
nine inch = one foot  
ten inch = one foot  
eleven inch = one foot  
twelve inch = one foot  
thirteen inch = one foot  
fourteen inch = one foot  
fifteen inch = one foot  
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seventeen inch = one foot  
eighteen inch = one foot  
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thirty six inch = one foot  
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eighty two inch = one foot  
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eighty five inch = one foot  
eighty six inch = one foot  
eighty seven inch = one foot  
eighty eight inch = one foot  
eighty nine inch = one foot  
ninety inch = one foot  
ninety one inch = one foot  
ninety two inch = one foot  
ninety three inch = one foot  
ninety four inch = one foot  
ninety five inch = one foot  
ninety six inch = one foot  
ninety seven inch = one foot  
ninety eight inch = one foot  
ninety nine inch = one foot  
one hundred inch = one foot



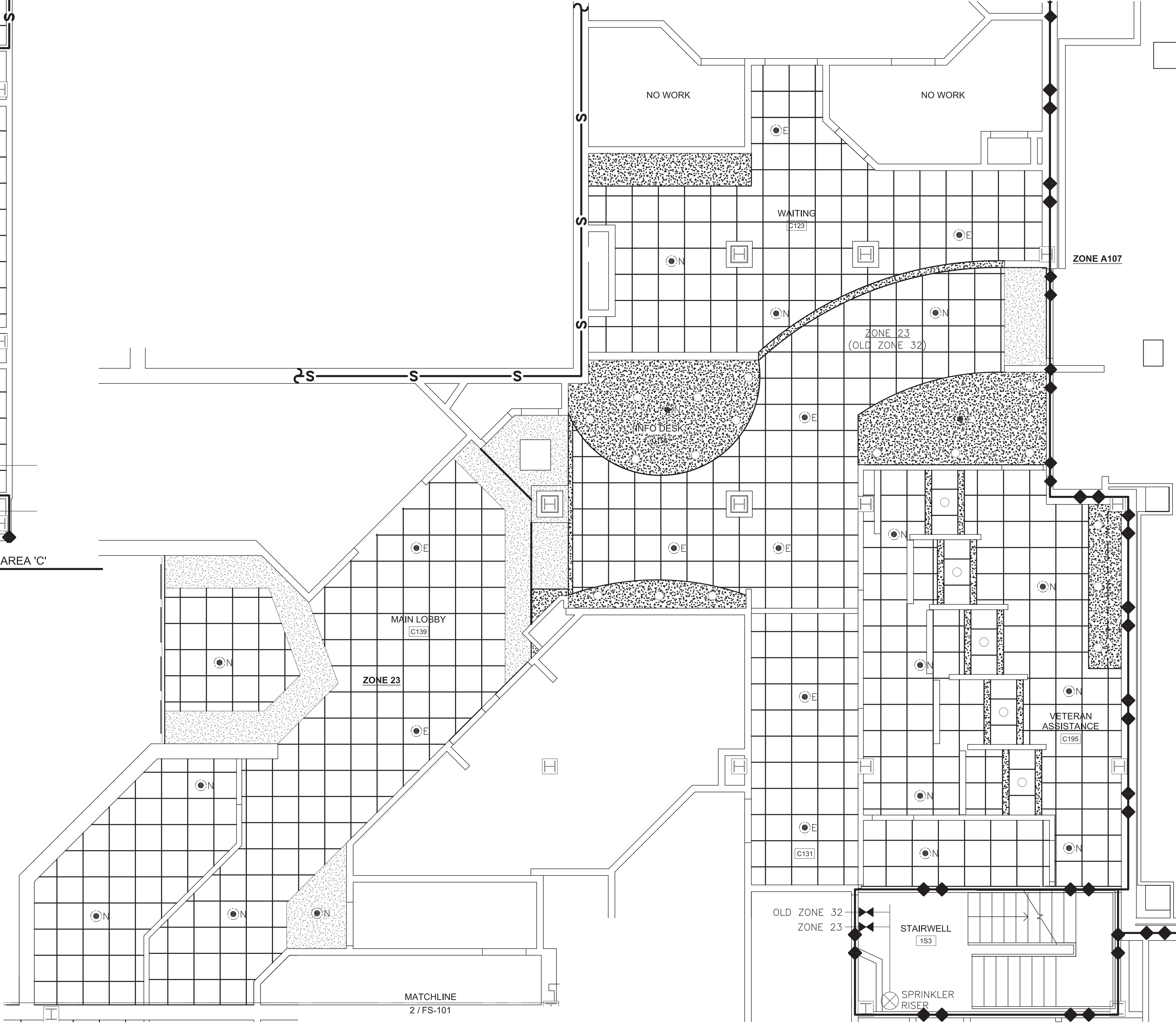
4 KEY PLAN  
1/32" = 1'-0"



2 1ST FLOOR FIRE SPRINKLER PLAN - AREA 'B'  
SCALE: 1/4" = 1'-0"



3 1ST FLOOR FIRE SPRINKLER PLAN - AREA 'C'  
SCALE: 1/4" = 1'-0"



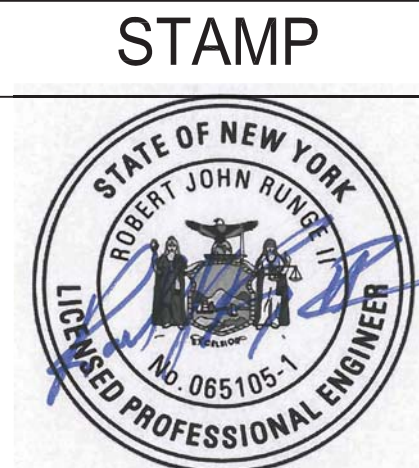
1 1ST FLOOR FIRE SPRINKLER PLAN - AREA 'A'  
SCALE: 1/4" = 1'-0"

KEY NOTES:

- 1 EXISTING ROOM C104 SPRINKLER HEAD TO BE RE-SUPPLIED FROM ZONE 23 IN A MANNER, AS DETERMINED BY THE CONTRACTOR, COMPLIANT WITH ALL APPLICABLE CODES AND REGULATIONS

SEE DRAWING F-001 FOR SYMBOLS LEGEND AND GENERAL NOTES

WHEN THIS SEAL IS STAMPED BY A LICENSED PROFESSIONAL ENGINEER, IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW TITLE VIII ARTICLE 130 SECTION 1302 FOR ANY PERSON WHOSE NAME IS PLACED HEREON WITHOUT THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THE SEAL IN ANY MANNER. IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS ALTERED THE SIGNING ENGINEER SHALL CONSIDER IT A VIOLATION OF NEW YORK STATE EDUCATION LAW.




ARCHITECTS/ENGINEERS:  
**RJR**  
www.rjr.com  
RJR ENGINEERING, P.C.  
PROFESSIONAL ENGINEERS  
P.O. BOX 344 - 23 Mechanic Street  
Springville, New York 14141-0344

RJR Project #14308

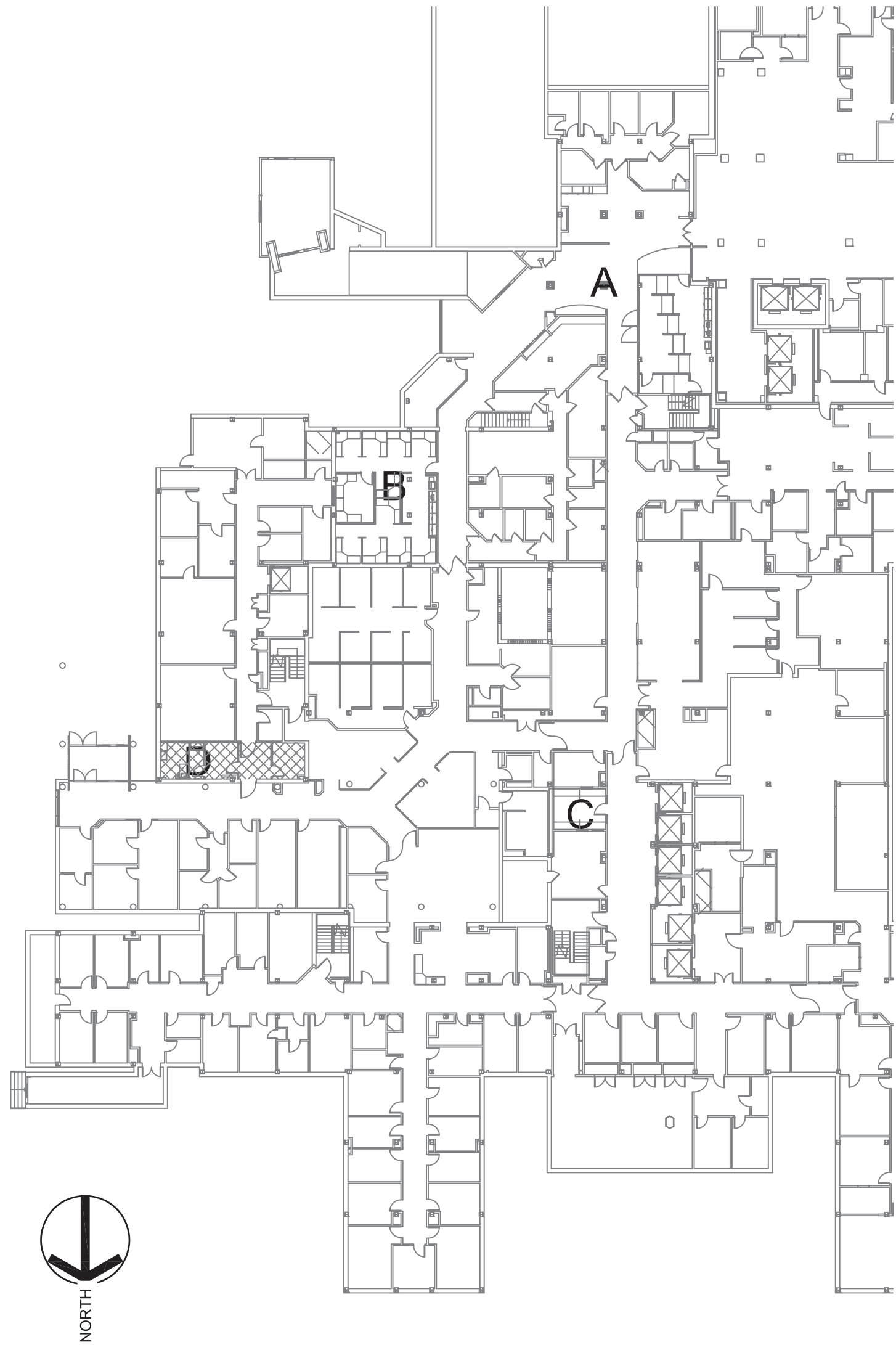
**SWR**  
ARCHITECTS  
309 South Franklin Street Syracuse, NY 13202  
Voice: 315.488.5635 www.swr.com

SWR Project #14310

| FULLY SPRINKLERED |  | CONSTRUCTION DOCUMENT                             |                 |                                 |              |  |
|-------------------|--|---|-----------------|---------------------------------|--------------|--|
| ER PLAN           |  | Project Title:<br>BUSINESS OFFICE RENOVATION      |                 | Project Number:<br>528A7-14-701 |              |  |
|                   |  |   |                 | Building Number:<br>1           |              |  |
| ector             |  | Location: 800 Irving Avenue<br>Syracuse, NY 13210 |                 | Drawing Number:                 |              |  Department of Veterans Affairs |
|                   |  |   |                 | FS101                           |              |  |
|                   |  | Date:<br>10/26/15                                 | Checked:<br>JTA | Drawn:<br>CGR                   | Dwg 37 of 56 |  |

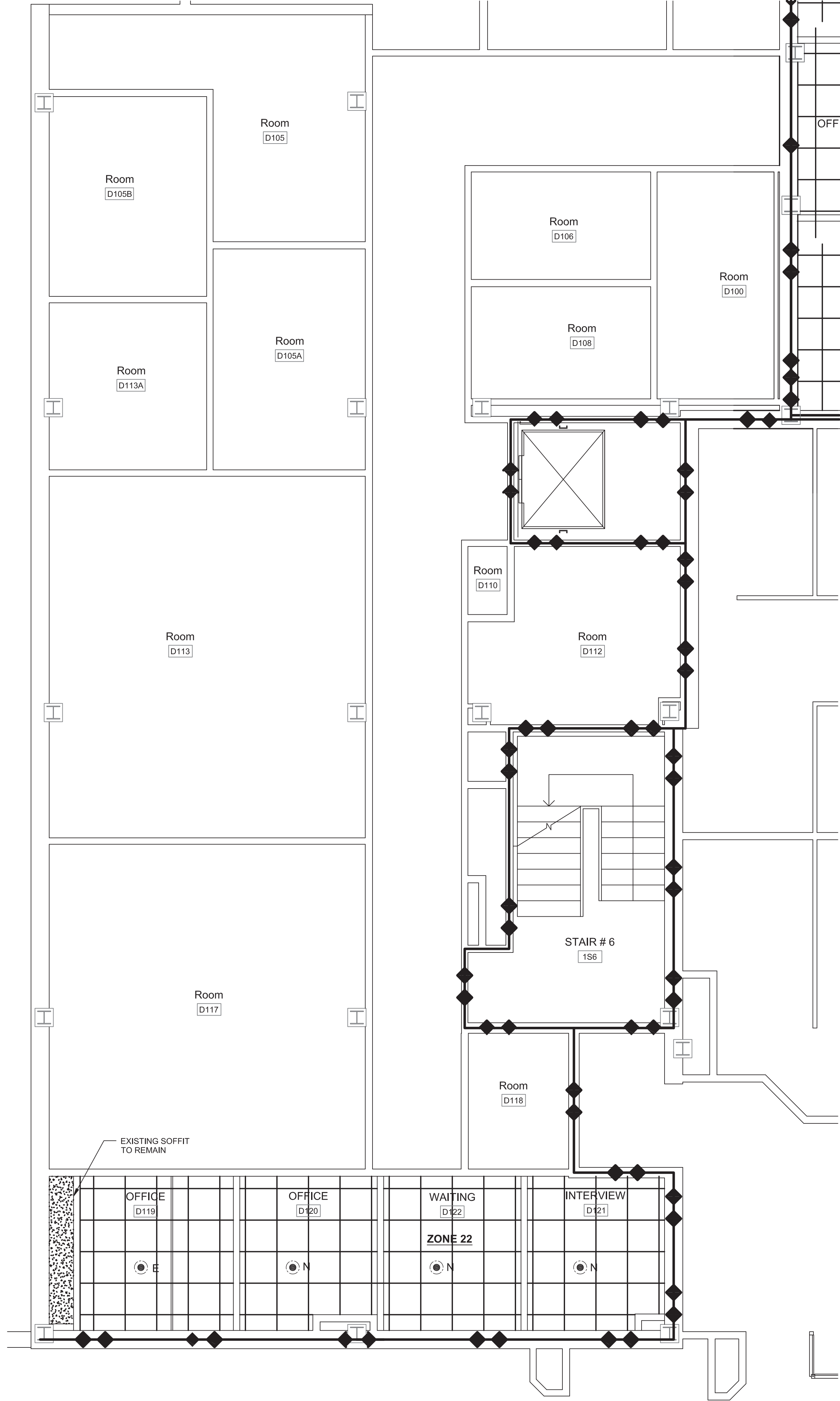


one eighth inch = one foot  
0 4 8 16  
one quarter inch = one foot  
0 4 8  
three eighths inch = one foot  
0 4 8  
one half inch = one foot  
0 4  
one inch = one foot  
0 6  
three quarters inch = one foot  
0 6  
one and one half inch = one foot  
0 6  
three inch = one foot  
0 6



2 KEY PLAN  
SCALE: 1/32" = 1'-0"

SEE DRAWING F-001 FOR SYMBOLS LEGEND AND GENERAL NOTES



1 1ST FLOOR FIRE SPRINKLER PLAN - AREA 'D'  
SCALE: 1/4" = 1'-0"

| No.       | Description | Date |
|-----------|-------------|------|
| REVISIONS |             |      |

CONSULTANTS:

STAMP



ARCHITECTS/ENGINEERS:



RJR ENGINEERING, P.C.  
PROFESSIONAL ENGINEERS  
P.O. BOX 344 - 23 Mechanic Street  
Syracuse, New York 14141-0344

RJR Project #14306



309 South Franklin Street Syracuse, NY 13202  
Voice: 315.488.5635 www.swr.com

SWR Project #14310

Drawing Title:  
FIRE SPRINKLER PLAN

Approved: Project Director

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

Project Title:  
BUSINESS OFFICE RENOVATION

Location: 800 Irving Avenue  
Syracuse, NY 13210

Date: 10/01/15

Checked: JTA

Drawn: CGR

Project Number:  
528A7-14-701

Building Number:  
1

Drawing Number:  
FS102

Dwg 38 of 56

Department of  
Veterans Affairs



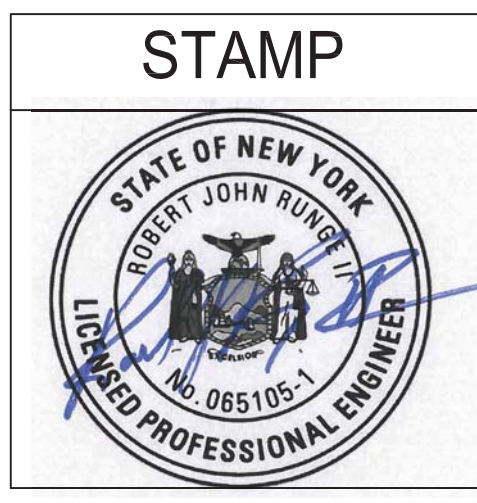
three inch = one foot  
one and one half inch = one foot  
one inch = one foot  
three quarter inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

A  
B  
C  
D  
E  
F

1  
2  
3  
4  
5  
6  
7  
8  
9

| No.       | Description | Date |
|-----------|-------------|------|
| REVISIONS |             |      |

|              |
|--------------|
| CONSULTANTS: |
|--------------|



ARCHITECTS/ENGINEERS:

**RJR**

www.rjrcorp.com

RJR ENGINEERING, P.C.  
PROFESSIONAL ENGINEERS  
P.O. BOX 344 - 23 Mechanic Street  
Syracuse, New York 14141-0344

RJR Project #14310

**SWR**

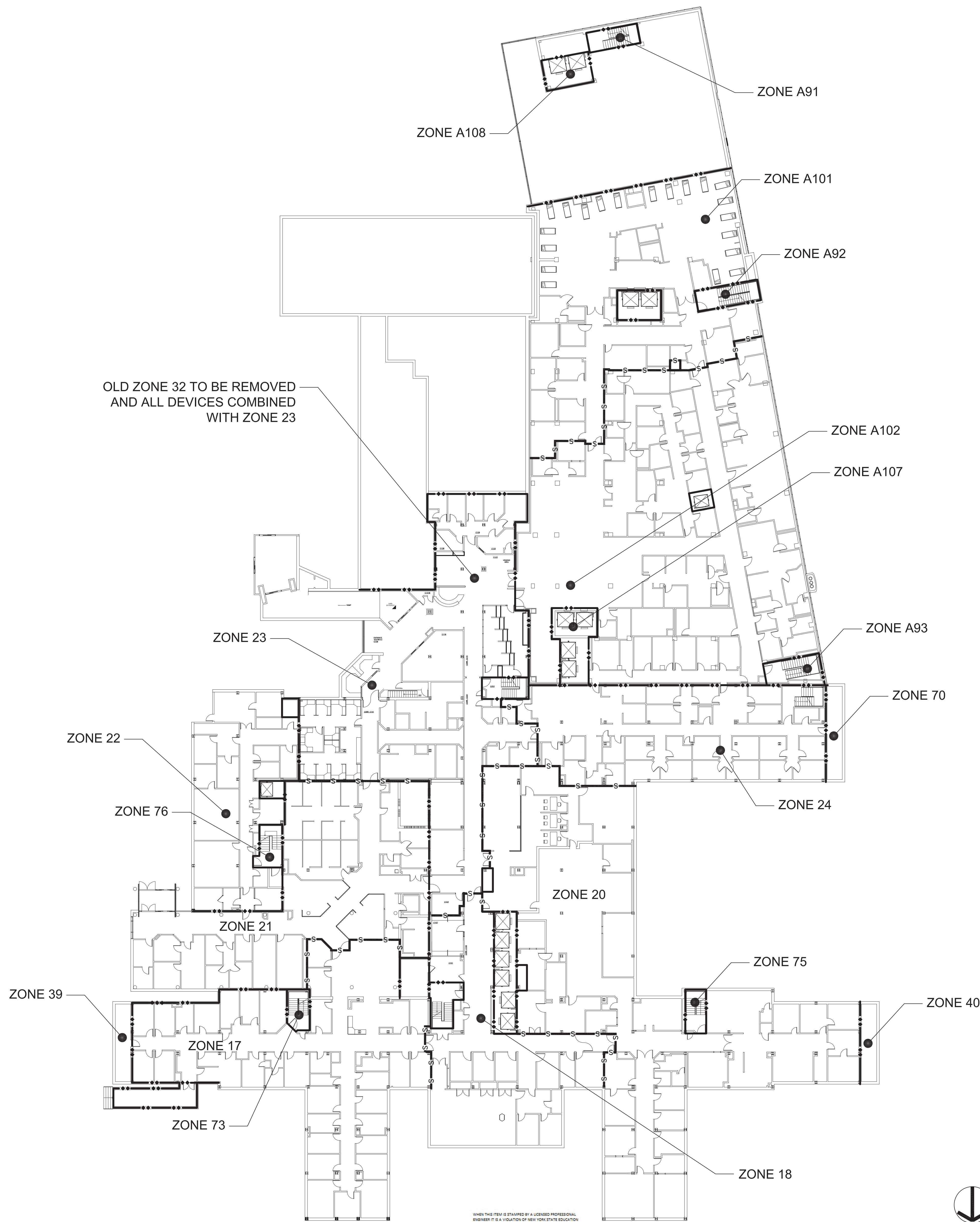
ARCHITECTS

309 South Franklin Street Syracuse, NY 13202  
Voice: 315.488.5635 www.swr.com

|  |
|--|
| Drawing Title:<br>FIRE PROTECTION<br>FIRE SYSTEM ZONE PLAN |
| Approved: Project Director                                 |

|   |
|---|
| Project Title:<br>BUSINESS OFFICE RENOVATION      |
| Location: 800 Irving Avenue<br>Syracuse, NY 13210 |
| Date:<br>12/02/15                                 |

|                                 |
|---------------------------------|
| Project Number:<br>528A7-14-701 |
| Building Number:<br>1           |
| Drawing Number:<br><b>FZ101</b> |
| Dwg 39 of 56                    |

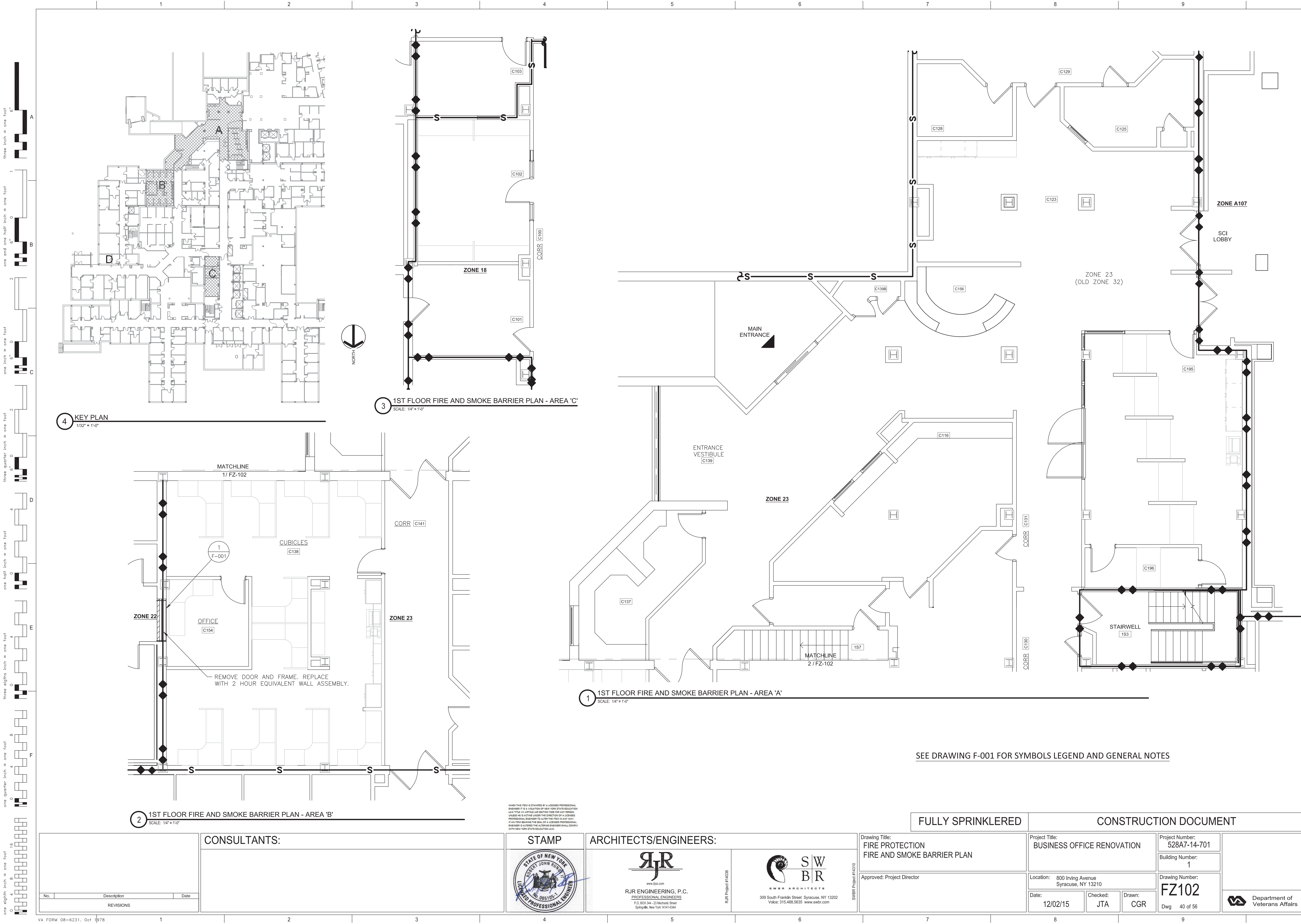


- CHANGES TO ZONE PLAN
- DOORS BETWEEN ZONE 32 AND ZONE 23 ARE BEING REMOVED WHICH WILL COMPROMISE THE EXISTING SMOKE BARRIER.
  - ZONE 32 WILL BE ELIMINATED AND ALL FIRE DETECTION, NOTIFICATION AND CONTROL DEVICES SHALL BE COMBINED.

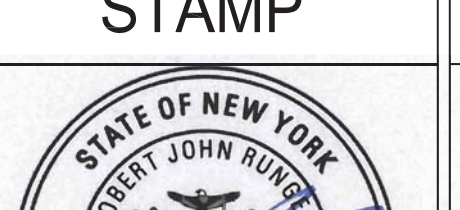


SEE DRAWING F-001 FOR SYMBOLS LEGEND AND GENERAL NOTES

|                   |                       |
|-------------------|-----------------------|
| FULLY SPRINKLERED | CONSTRUCTION DOCUMENT |
|-------------------|-----------------------|





SEE DRAWING F-001 FOR SYMBOLS LEGEND AND GENERAL NOTES

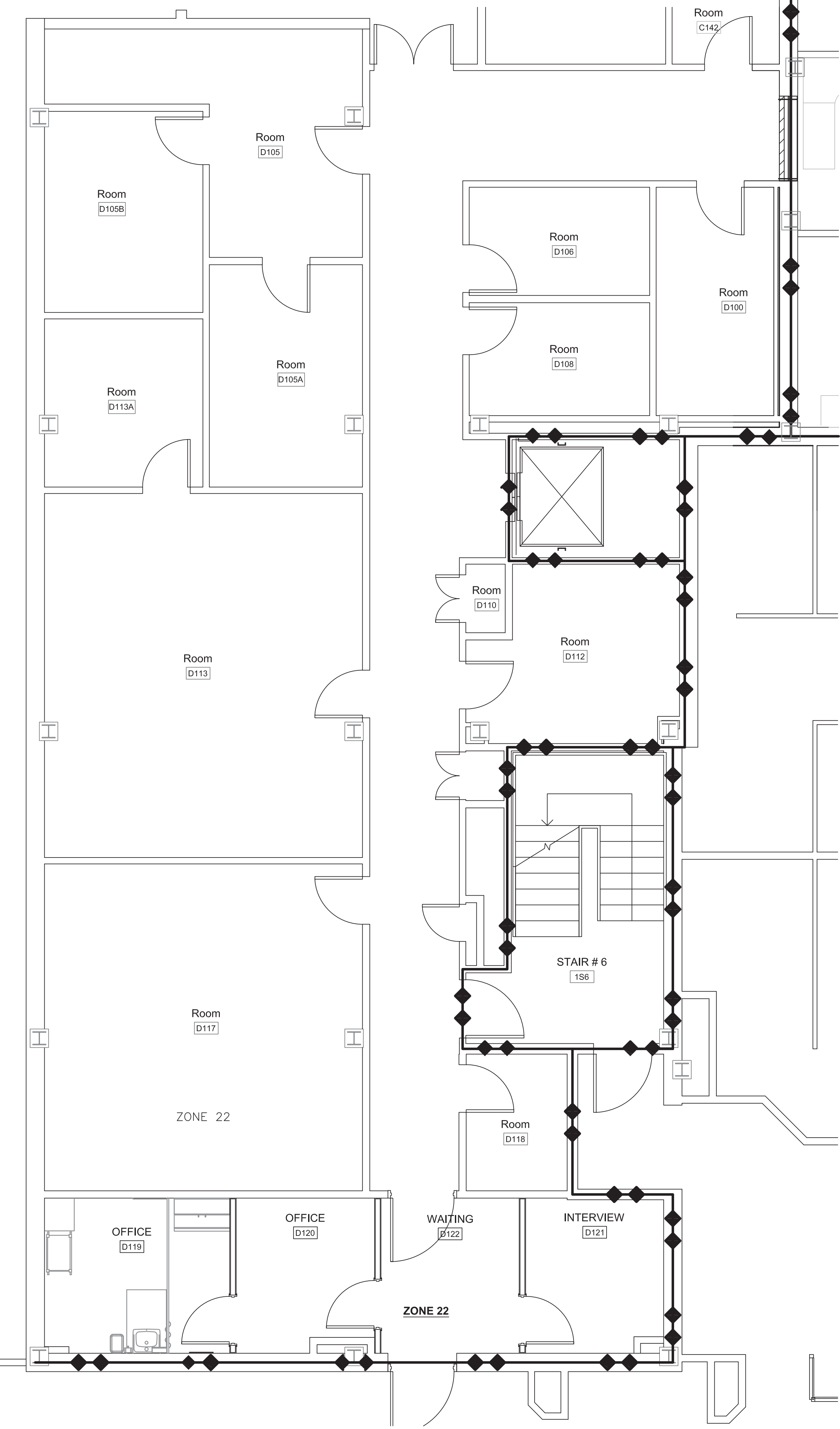
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|---|--|---|--|---|--|---|--|---|--|--|--|---|--|---|--|------------------------------------|--|---|--|
| <div>2</div> <div>1ST FLOOR FIRE AND SMOKE BARRIER PLAN - AREA 'B'</div> <div>SCALE: 1/4" = 1'-0"</div> |  |   |  |   |  |   |  | FULLY SPRINKLERED   |  | CONSTRUCTION DOCUMENT                              |  |   |  |   |  |                                    |  |   |  |
| <div>CONSULTANTS:</div>   |  | <div>STAMP</div> <div></div> |  | <div>ARCHITECTS/ENGINEERS:</div> <div><div>www.rjpec.com</div><div>RJR ENGINEERING, P.C.</div><div>PROFESSIONAL ENGINEERS</div><div>702 ECKHART Drive, Suite 200</div><div>Springville, New York 14141-0344</div></div> <div><div>SWR ARCHITECTS</div><div>309 South Franklin Street Syracuse, NY 13202</div><div>Voice: 315-488-5635 www.swr.com</div></div> |  | <div>Drawing Title:</div> <div>FIRE PROTECTION</div> <div>FIRE AND SMOKE BARRIER PLAN</div> |  | <div>Project Title:</div> <div>BUSINESS OFFICE RENOVATION</div>                 |  | <div>Project Number:</div> <div>528A7-14-701</div> |  | <div>Department of Veterans Affairs</div> |  |   |  |                                    |  |   |  |
|   |  |   |  |   |  | <div>Approved: Project Director</div>   |  | <div>Location:</div> <div>800 Irving Avenue</div> <div>Syracuse, NY 13210</div> |  | <div>Building Number:</div> <div>1</div>           |  |   |  |   |  |                                    |  |   |  |
| <div>No.</div> <div>Description</div> <div>Date</div> <div>REVISIONS</div>                              |  |   |  |   |  |   |  | <div>Date:</div> <div>12/02/15</div>  |  | <div>Checked:</div> <div>JTA</div>                 |  | <div>Drawn:</div> <div>CGR</div>          |  | <div>Drawing Number:</div> <div>FZ102</div> |  | <div>Dwg</div> <div>40 of 56</div> |  |   |  |
| VA FORM 08-6231, Oct 1978   |  | 1   |  | 2   |  | 3   |  | 4   |  | 5  |  | 6   |  | 7   |  | 8                                  |  | 9 |  |



one eighth inch = one foot  
0 4 8 16  
one quarter inch = one foot  
0 4 8  
three eighths inch = one foot  
0 4 8  
one half inch = one foot  
0 4  
three quarters inch = one foot  
0 4  
one inch = one foot  
0 6  
one and one half inch = one foot  
0 6 1  
three inch = one foot  
0 6



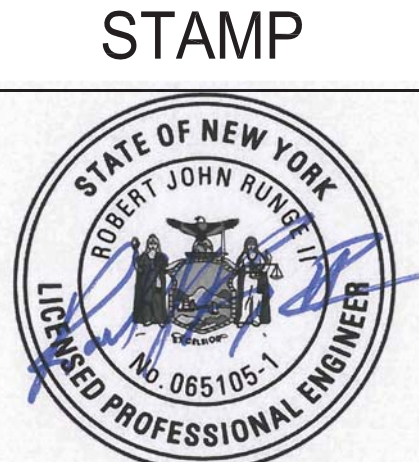
2 KEY PLAN  
SCALE: 1/32" = 1'-0"



1 1ST FLOOR FIRE AND SMOKE BARRIER PLAN - AREA 'D'  
SCALE: 1/4" = 1'-0"

SEE DRAWING F-001 FOR SYMBOLS LEGEND AND GENERAL NOTES

WHEN THIS SEAL IS OBTAINED BY A LICENSED PROFESSIONAL ENGINEER IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW THAT THE ENGINEER USE IT FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ACT FOR THE SEAL OF ANY PERSON. IF ANY PERSON VIOLATES THIS SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF THE EDUCATION LAW AND SHALL BE SUBJECT TO THE NEW YORK STATE EDUCATION LAW.



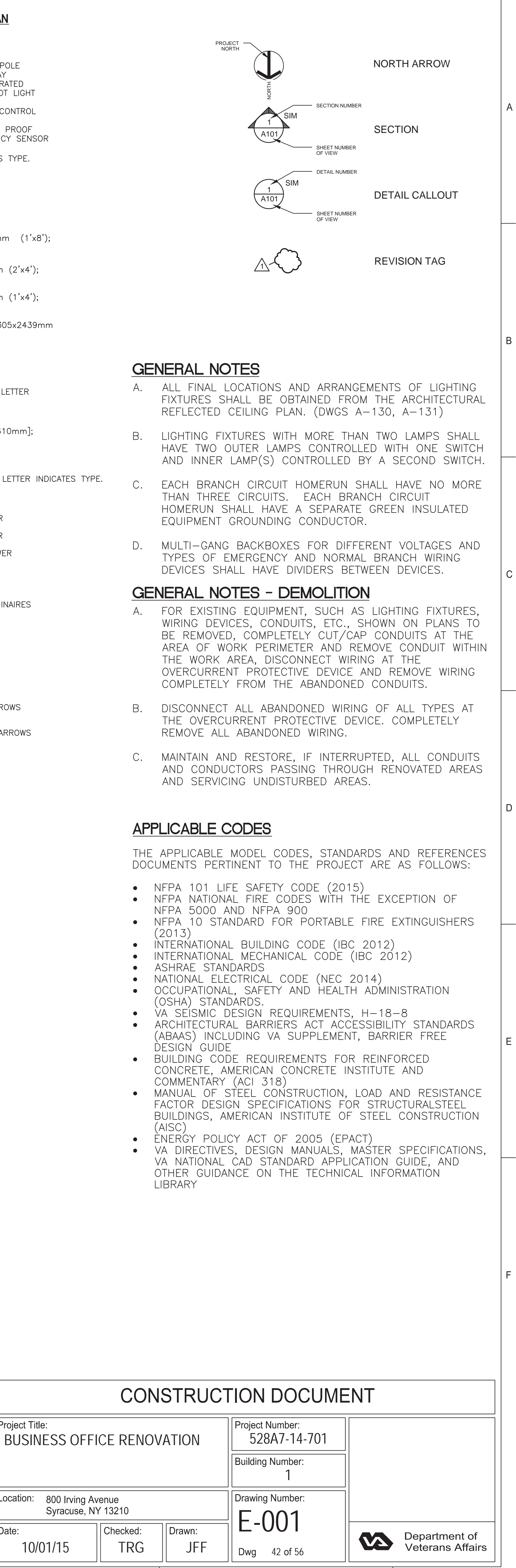
ARCHITECTS/ENGINEERS:  
**RJR**  
www.rjr.com  
RJR ENGINEERING, P.C.  
PROFESSIONAL ENGINEERS  
P.O. BOX 344 - 23 Mohawk Street  
Springville, New York 14141-0344  
RJR Project #14306


**SWB**  
ARCHITECTS  
309 South Franklin Street Syracuse, NY 13202  
Voice: 315.488.5635 www.swbr.com  
SWBR Project #14310

Drawing Title:  
**FIRE PROTECTION  
FIRE AND SMOKE BARRIER PLAN**  
Approved: Project Director

|   |                        |  |                                   |
|---|------------------------|--|-----------------------------------|
| Project Title:<br><b>BUSINESS OFFICE RENOVATION</b> |                        | Project Number:<br><b>528A7-14-701</b> |                                   |
| Location: 800 Irving Avenue<br>Syracuse, NY 13210   |                        | Building Number:<br><b>1</b>           |                                   |
| Date:<br><b>10/01/15</b>                            | Checked:<br><b>JTA</b> | Drawn:<br><b>CGR</b>                   | Drawing Number:<br><b>FZ103</b>   |
| Dwg<br>41 of 56                                     |                        |  | Department of<br>Veterans Affairs |





|   |                        |                      |  |  |   |
|---|------------------------|----------------------|--|--|---|
| Project Title:<br><b>BUSINESS OFFICE RENOVATION</b> |                        |                      | Project Number:<br><b>528A7-14-701</b> |  |  <b>Department of<br/>Veterans Affairs</b> |
|   |                        |                      | Building Number:<br><b>1</b>           |  |   |
| Location: 800 Irving Avenue<br>Syracuse, NY 13210   |                        |                      | Drawing Number:<br><b>E-001</b>        |  |   |
| Date:<br><b>10/01/15</b>                            | Checked:<br><b>TRG</b> | Drawn:<br><b>JFF</b> | Dwg 42 of 56                           |  |   |







three inch = one foot  
one and one half inch = one foot  
one inch = one foot  
three quarter inch = one foot  
one half inch = one foot  
three eighth inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

## ECRP2-1

| ROOM S103A                        |         |          |                                    | VOLTS 480Y/277V 3P 4W     |         |          |                     | AIC -       |         |          |                     |
|-----------------------------------|---------|----------|------------------------------------|---------------------------|---------|----------|---------------------|-------------|---------|----------|---------------------|
| MOUNTING -                        |         |          |                                    | BUS AMPS -                |         |          |                     | MAIN BKR 70 |         |          |                     |
| FED FROM ECRDP-2                  |         |          |                                    | NEUTRAL -                 |         |          |                     | LUGS -      |         |          |                     |
| NOTE -                            |         |          |                                    |                           |         |          |                     |             |         |          |                     |
| CKT #                             | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION                | CKT #                     | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION | CKT #       | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION |
| 1                                 | 20/1    | 0        | GENERAL LIGHTING                   | 2                         | 20/1    | 0        | GENERAL LIGHTING    | 13          | 20/1    | 0        | SPARE               |
| 3                                 | 20/1    | 0        | GENERAL LIGHTING                   | 4                         | 20/1    | 0        | GENERAL LIGHTING    | 14          | 20/1    | 0        | SPARE               |
| 5                                 | 20/1    | 0        | SPARE                              | 6                         | 20/1    | 0        | SPARE               | 16          | 20/1    | 0        | SPARE               |
| 7                                 | 20/1    | 0        | SPARE                              | 8                         | 20/1    | 0        | SPARE               | 18          | 20/1    | 0        | SPARE               |
| 9                                 | 20/1    | 0        | (NEW) LIGHTING RM C137, C138, C154 | 10                        | 20/1    | 0        | SPARE               | 20          | 20/1    | 0        | SPARE               |
| 11                                | 20/1    | 0        | (NEW) LIGHTING RM C195, C196       | 12                        | 20/1    | 0        | SPARE               | 22          | 20/1    | 0        | SPARE               |
| 13                                | 20/1    | 0        | (NEW) LIGHTING RM C139A            | 14                        | 20/1    | 0        | SPARE               | 24          | 20/1    | 0        | SPARE               |
| 15                                | 20/1    | 0        | SPARE                              | 16                        | 20/1    | 0        | SPARE               | 26          | 20/1    | 0        | SPARE               |
| 17                                | 20/1    | 0        | SPARE                              | 18                        | 20/1    | 0        | SPARE               | 28          | 20/1    | 0        | SPARE               |
| 19                                | 20/1    | 0        | SPARE                              | 20                        | 20/1    | 0        | SPARE               | 30          | 20/1    | 0        | SPARE               |
| 21                                | 20/1    | 0        | SPARE                              | 22                        | 20/1    | 0        | SPARE               | 32          | 20/1    | 0        | SPARE               |
| 23                                | 20/1    | 0        | SPARE                              | 24                        | 20/1    | 0        | SPARE               | 34          | 20/1    | 0        | SPARE               |
| 25                                | 20/1    | 0        | SPARE                              | 26                        | 20/1    | 0        | SPARE               | 36          | 20/1    | 0        | SPARE               |
| 27                                | 20/1    | 0        | SPARE                              | 28                        | 20/1    | 0        | SPARE               | 38          | 20/1    | 0        | SPARE               |
| 29                                | 20/1    | 0        | SPARE                              | 30                        | 20/1    | 0        | SPARE               | 40          | 20/1    | 0        | SPARE               |
| 31                                | 20/1    | 0        | SPARE                              | 32                        | 20/1    | 0        | SPARE               | 42          | 20/1    | 0        | SPARE               |
| 33                                | 20/1    | 0        | SPARE                              | 34                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| 35                                | 20/1    | 0        | SPARE                              | 36                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| 37                                | 20/1    | 0        | SPARE                              | 38                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| 39                                | 20/1    | 0        | SPARE                              | 40                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| 41                                | 20/1    | 0        | SPARE                              | 42                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| CONN. KVA                         |         |          |                                    | CALC. KVA                 |         |          |                     | CONN. KVA   |         |          |                     |
| LIGHTING                          |         |          |                                    | 0                         |         |          |                     | 0           |         |          |                     |
| LARGEST MOTOR                     |         |          |                                    | 0                         |         |          |                     | 0           |         |          |                     |
| OTHER MOTORS                      |         |          |                                    | 0                         |         |          |                     | 0           |         |          |                     |
| RECEPTACLES                       |         |          |                                    | 0                         |         |          |                     | 0           |         |          |                     |
|                                   |         |          |                                    | (125%)                    |         |          |                     | (125%)      |         |          |                     |
|                                   |         |          |                                    | (100%)                    |         |          |                     | (100%)      |         |          |                     |
|                                   |         |          |                                    | (50%>10)                  |         |          |                     | (N/A)       |         |          |                     |
|                                   |         |          |                                    | NONCOIN/DIVERSE           |         |          |                     | 0           |         |          |                     |
|                                   |         |          |                                    | TOTAL KVA                 |         |          |                     | 0           |         |          |                     |
|                                   |         |          |                                    | BALANCED THREE PHASE AMPS |         |          |                     | 0           |         |          |                     |
| PHASE BALANCE PERCENT: PHASE A 0% |         |          |                                    | PHASE B 0%                |         |          |                     | PHASE C 0%  |         |          |                     |

## ELS2-1

| ROOM S103A                        |         |          |   | VOLTS 480Y/277V 3P 4W     |         |          |                     | AIC -       |         |          |                     |
|-----------------------------------|---------|----------|---|---------------------------|---------|----------|---------------------|-------------|---------|----------|---------------------|
| MOUNTING -                        |         |          |   | BUS AMPS -                |         |          |                     | MAIN BKR 60 |         |          |                     |
| FED FROM ELSDP-1                  |         |          |   | NEUTRAL -                 |         |          |                     | LUGS -      |         |          |                     |
| NOTE -                            |         |          |   |                           |         |          |                     |             |         |          |                     |
| CKT #                             | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION                             | CKT #                     | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION | CKT #       | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION |
| 1                                 | 20/1    | 0        | NIGHT LIGHTS                                    | 2                         | 20/1    | 0        | EXIT SIGNS          | 13          | 20/1    | 0        | SPARE               |
| 3                                 | 20/1    | 0        | SPARE   | 4                         | 20/1    | 0        | TRANSFORMER T-LS-21 | 14          | 20/1    | 0        | SPARE               |
| 5                                 | 20/1    | 0        | SPARE   | 6                         | 20/1    | 0        | SPARE               | 16          | 20/1    | 0        | SPARE               |
| 7                                 | 20/1    | 0        | SPARE   | 8                         | 20/1    | 0        | SPARE               | 18          | 20/1    | 0        | SPARE               |
| 9                                 | 20/1    | 0        | (NEW) EMERG LTC RM C138, C141                   | 10                        | 20/1    | 0        | SPARE               | 20          | 20/1    | 0        | SPARE               |
| 11                                | 20/1    | 0        | (NEW) EMERG LTC RM C139, C123, C135, C195, C196 | 12                        | 20/1    | 0        | SPARE               | 22          | 20/1    | 0        | SPARE               |
| 13                                | 20/1    | 0        | SPARE   | 14                        | 20/1    | 0        | SPARE               | 24          | 20/1    | 0        | SPARE               |
| 15                                | 20/1    | 0        | SPARE   | 16                        | 20/1    | 0        | SPARE               | 26          | 20/1    | 0        | SPARE               |
| 17                                | 20/1    | 0        | SPARE   | 18                        | 20/1    | 0        | SPARE               | 28          | 20/1    | 0        | SPARE               |
| 19                                | 20/1    | 0        | SPARE   | 20                        | 20/1    | 0        | SPARE               | 30          | 20/1    | 0        | SPARE               |
| 21                                | 20/1    | 0        | SPARE   | 22                        | 20/1    | 0        | SPARE               | 32          | 20/1    | 0        | SPARE               |
| 23                                | 20/1    | 0        | SPARE   | 24                        | 20/1    | 0        | SPARE               | 34          | 20/1    | 0        | SPARE               |
| 25                                | 20/1    | 0        | SPARE   | 26                        | 20/1    | 0        | SPARE               | 36          | 20/1    | 0        | SPARE               |
| 27                                | 20/1    | 0        | SPARE   | 28                        | 20/1    | 0        | SPARE               | 38          | 20/1    | 0        | SPARE               |
| 29                                | 20/1    | 0        | SPARE   | 30                        | 20/1    | 0        | SPARE               | 40          | 20/1    | 0        | SPARE               |
| 31                                | 20/1    | 0        | SPARE   | 32                        | 20/1    | 0        | SPARE               | 42          | 20/1    | 0        | SPARE               |
| 33                                | 20/1    | 0        | SPARE   | 34                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| 35                                | 20/1    | 0        | SPARE   | 36                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| 37                                | 20/1    | 0        | SPARE   | 38                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| 39                                | 20/1    | 0        | SPARE   | 40                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| 41                                | 20/1    | 0        | SPARE   | 42                        | 20/1    | 0        | SPARE               |             |         |          |                     |
| CONN. KVA                         |         |          |   | CALC. KVA                 |         |          |                     | CONN. KVA   |         |          |                     |
| LIGHTING                          |         |          |   | 0                         |         |          |                     | 0           |         |          |                     |
| LARGEST MOTOR                     |         |          |   | 0                         |         |          |                     | 0           |         |          |                     |
| OTHER MOTORS                      |         |          |   | 0                         |         |          |                     | 0           |         |          |                     |
| RECEPTACLES                       |         |          |   | 0                         |         |          |                     | 0           |         |          |                     |
|                                   |         |          |   | (125%)                    |         |          |                     | (125%)      |         |          |                     |
|                                   |         |          |   | (100%)                    |         |          |                     | (100%)      |         |          |                     |
|                                   |         |          |   | (50%>10)                  |         |          |                     | (N/A)       |         |          |                     |
|                                   |         |          |   | NONCOIN/DIVERSE           |         |          |                     | 0           |         |          |                     |
|                                   |         |          |   | TOTAL KVA                 |         |          |                     | 0           |         |          |                     |
|                                   |         |          |   | BALANCED THREE PHASE AMPS |         |          |                     | 0           |         |          |                     |
| PHASE BALANCE PERCENT: PHASE A 0% |         |          |   | PHASE B 0%                |         |          |                     | PHASE C 0%  |         |          |                     |

## PP2-1A SECTION 1

| ROOM S103A     |         |          |  | VOLTS 208Y/120V 3P 4W |         |          |                                  | AIC -                     |         |          |                                  |            |  |  |  |
|----------------|---------|----------|--|-----------------------|---------|----------|----------------------------------|---------------------------|---------|----------|----------------------------------|------------|--|--|--|
| MOUNTING -     |         |          |  | BUS AMPS -            |         |          |                                  | MAIN BKR -                |         |          |                                  |            |  |  |  |
| FED FROM PDP-2 |         |          |  | NEUTRAL -             |         |          |                                  | LUGS -                    |         |          |                                  |            |  |  |  |
| NOTE -         |         |          |  |                       |         |          |                                  |                           |         |          |                                  |            |  |  |  |
| CKT #          | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION                    | CKT #                 | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION              | CKT #                     | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION              |            |  |  |  |
| 1              | 20/1    | 0        | RECEPT RM S176C                        | 2                     | 20/1    | 0        | RECEPT RM S128, S180             | 13                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 3              | 20/1    | 0        | RECEPT RM S192, S190                   | 4                     | 20/1    | 0        | SPARE                            | 14                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 5              | 20/1    | 0        | RECEPT RM S199                         | 6                     | 20/1    | 0        | RECEPT RM S186, S184B            | 16                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 7              | 20/1    | 0        | RECEPT RM S195,S197,S199               | 8                     | 20/1    | 0        | RECEPT RM S180A6, S184A          | 18                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 9              | 20/1    | 0        | RECEPT RM S177, S175, S173, S176, S185 | 10                    | 20/1    | 0        | RECEPT RM S190                   | 20                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 11             | 20/1    | 0        | RECEPT RM S191, S193                   | 12                    | 20/1    | 0        | RECEPT RM S195, S197             | 22                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 13             | 20/1    | 0        | RECEPT RM S172A, S179                  | 14                    | 20/1    | 0        | RECEPT RM S191, S193, S195       | 24                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 15             | 20/1    | 0        | RECEPT RM S176D, S179                  | 16                    | 20/1    | 0        | RECEPT RM S189, S189A            | 26                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 17             | 20/1    | 0        | RECEPT RM S172, S176D                  | 18                    | 20/1    | 0        | RECEPT RM S183, S184, S185, S187 | 28                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 19             | 20/1    | 0        | RECEPT RM 176C                         | 20                    | 20/1    | 0        | RECEPT RM S180B, S183            | 30                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 21             | 20/1    | 0        | RECEPT BEDS 5, 6, 7, 8                 | 22                    | 20/1    | 0        | SPARE                            | 32                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 23             | 20/1    | 0        | RECEPT BEDS 5, 6                       | 24                    | 20/1    | 0        | SPARE                            | 34                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 25             | 20/1    | 0        | RECEPT BEDS 7, 8                       | 26                    | 20/1    | 0        | SPARE                            | 36                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 27             | 20/1    | 0        | RECEPT BEDS 6, 7, 8                    | 28                    | 20/1    | 0        | SPARE                            | 38                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 29             | 20/1    | 0        | RECEPT RM S174, S176B                  | 30                    | 20/1    | 0        | SPARE                            | 40                        | 20/1    | 0        | SPARE                            |            |  |  |  |
| 31             | 20/1    | 0        | RECEPT RM S176B                        | 32                    | 20/1    | 0        | (NEW) RECEPT RM C195, C196       | 42                        | 20/1    | 0        | (NEW) PROJECTION SCREENS RM C195 |            |  |  |  |
| 33             | 20/1    | 0        | RECEPT RM S176A                        | 34                    | 20/1    | 0        | (NEW) RECEPT RM C195, C196       |                           |         |          |                                  |            |  |  |  |
| 35             | 20/1    | 0        | RECEPT RM S176A                        | 36                    | 20/1    | 0        | (NEW) RECEPT RM C195             |                           |         |          |                                  |            |  |  |  |
| 37             | 20/1    | 0        | RECEPT RM S163, S165, S161, S185       | 38                    | 20/1    | 0        | (NEW) RECEPT RM C195, C196       |                           |         |          |                                  |            |  |  |  |
| 39             | 20/1    | 0        | ICE MACHINE S161                       | 40                    | 20/1    | 0        | (NEW) COPIER RECEPT RM C195      |                           |         |          |                                  |            |  |  |  |
| 41             | 20/1    | 0        | SPARE                                  | 42                    | 20/1    | 0        | (NEW) PROJECTION SCREENS RM C195 |                           |         |          |                                  |            |  |  |  |
| CONN. KVA      |         |          |  | CALC. KVA             |         |          |                                  | CONN. KVA                 |         |          |                                  | CALC. KVA  |  |  |  |
| LIGHTING       |         |          |  | 0                     |         |          |                                  | CONTINUOUS                |         |          |                                  | 0          |  |  |  |
| LARGEST MOTOR  |         |          |  | 0                     |         |          |                                  | HEATING                   |         |          |                                  | 0          |  |  |  |
| OTHER MOTORS   |         |          |  | 0                     |         |          |                                  | NONCONTINUOUS             |         |          |                                  | 0          |  |  |  |
| RECEPTACLES    |         |          |  | 0                     |         |          |                                  | KITCHEN EQUIP             |         |          |                                  | 0          |  |  |  |
|                |         |          |  | (125%)                |         |          |                                  | NONCOIN/DIVERSE           |         |          |                                  | 0          |  |  |  |
|                |         |          |  | (100%)                |         |          |                                  | TOTAL KVA                 |         |          |                                  | 0          |  |  |  |
|                |         |          |  | (50%>10)              |         |          |                                  | BALANCED THREE PHASE AMPS |         |          |                                  | 0          |  |  |  |
|                |         |          |  |                       |         |          |                                  | PHASE B 0%                |         |          |                                  | PHASE C 0% |  |  |  |



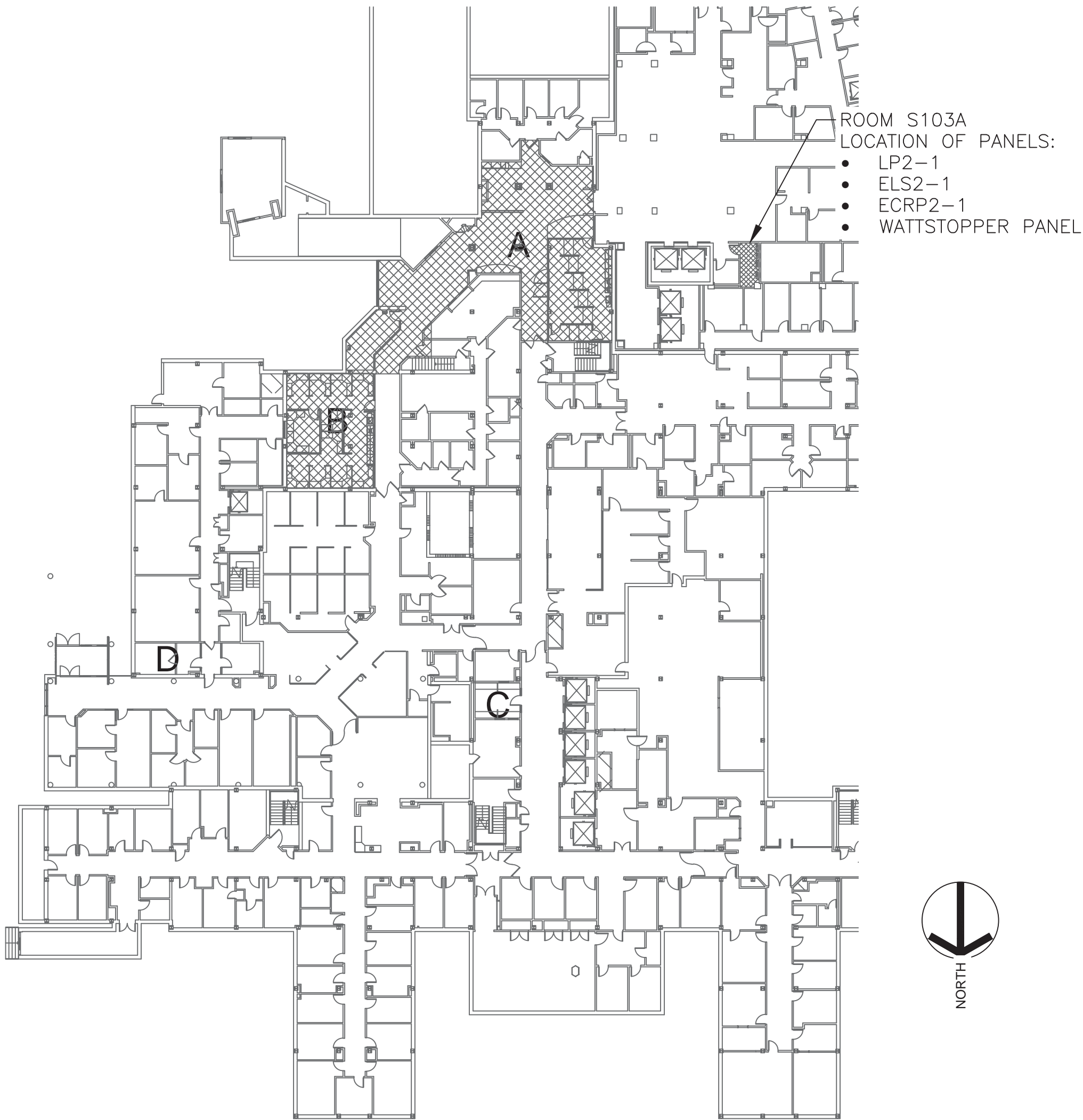




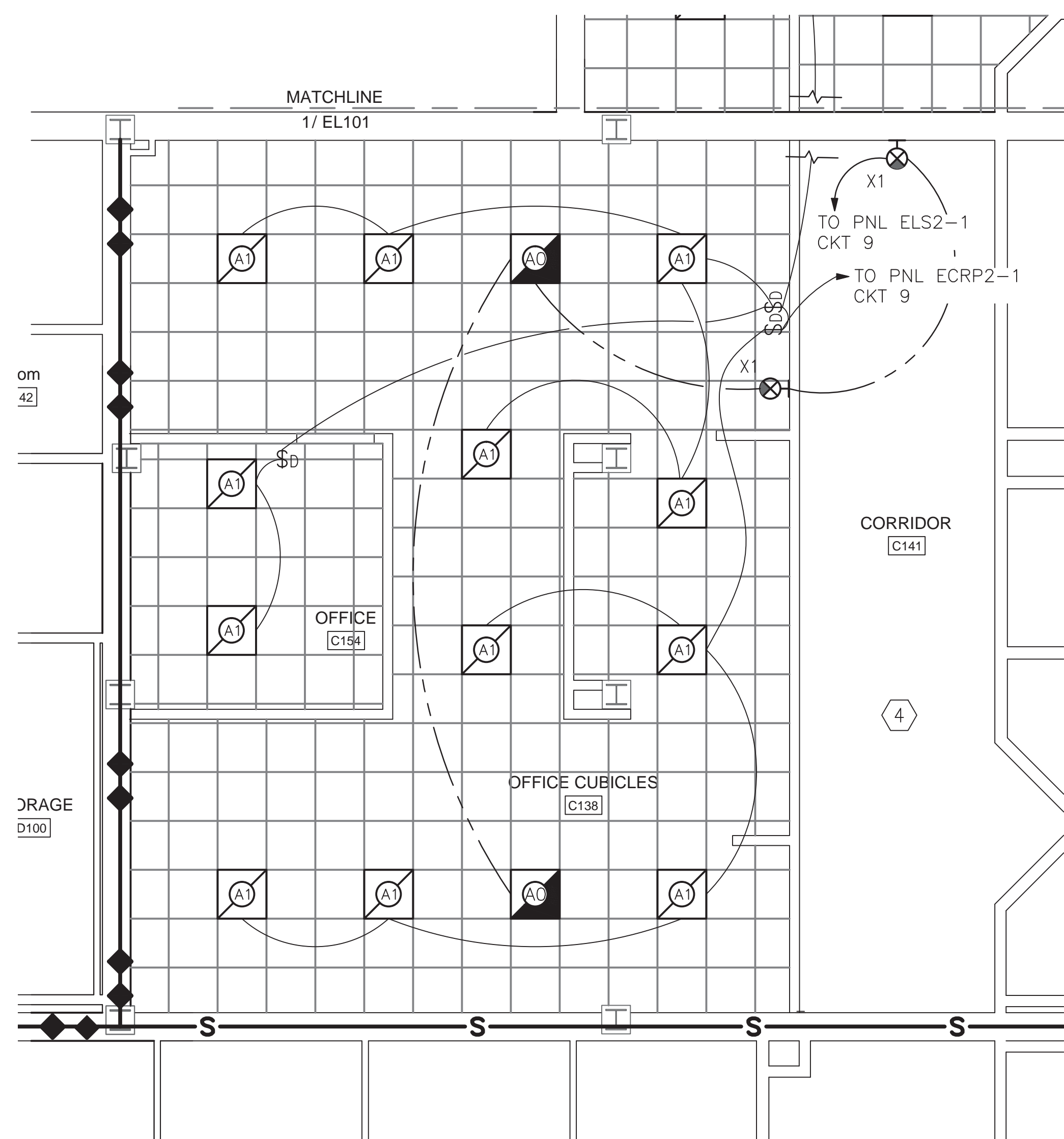
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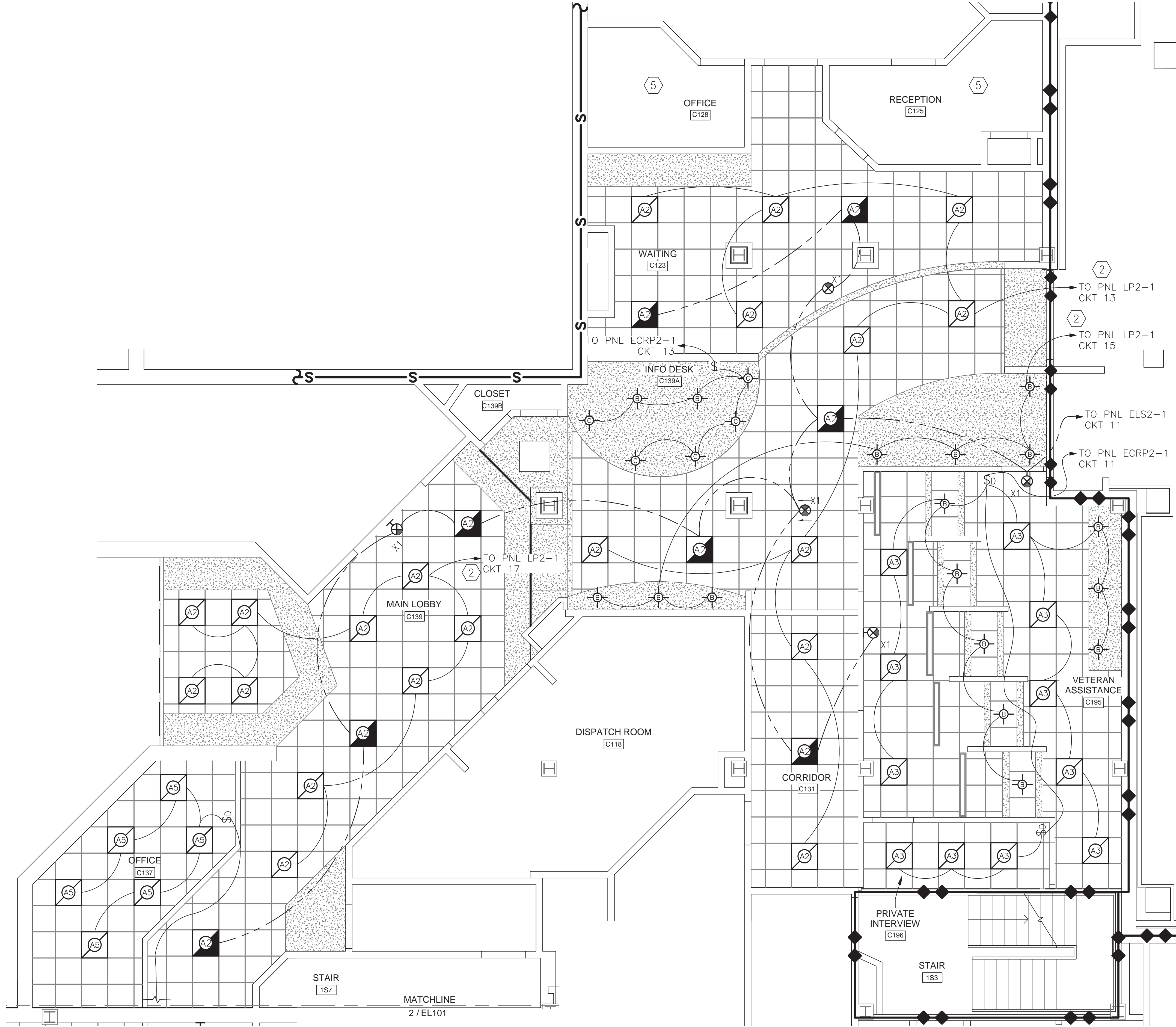
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one and one half inch = one foot  
one inch = one foot  
three quarter inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



3 KEY PLAN  
1/32" = 1'-0"



2 1ST FLOOR REFLECTED CEILING LIGHTING PLAN - AREA 'B'  
SCALE: 1/4" = 1'-0"



1 1ST FLOOR REFLECTED CEILING LIGHTING PLAN - AREA 'A'  
SCALE: 1/4" = 1'-0"

SEE E-001 FOR GENERAL ELECTRICAL NOTES AND LEGENDS  
SEE EL102 FOR EL SERIES GENERAL AND KEYED NOTES  
SEE E-601 FOR LIGHTING AND PANEL SCHEDULES

| No.       | Description | Date |
|-----------|-------------|------|
| REVISIONS |             |      |

CONSULTANTS:

STAMP



ARCHITECTS/ENGINEERS:



RJR ENGINEERING, P.C.  
PROFESSIONAL ENGINEERS  
P.O. BOX 344 - 23 Mechanic Street  
Springville, New York 14141-0344

RJR Project #14038



300 South Franklin Street Syracuse, NY 13202  
Voice: 315.488.5635 www.swbr.com

SWBR Project #14310

Drawing Title:  
REFLECTED CEILING  
LIGHTING PLAN

Approved: Project Director

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

Project Title:  
BUSINESS OFFICE RENOVATION

Location: 800 Irving Avenue  
Syracuse, NY 13210

Date:  
10/01/15

Checked:  
TRG

Drawn:  
JFF

Project Number:  
528A7-14-701

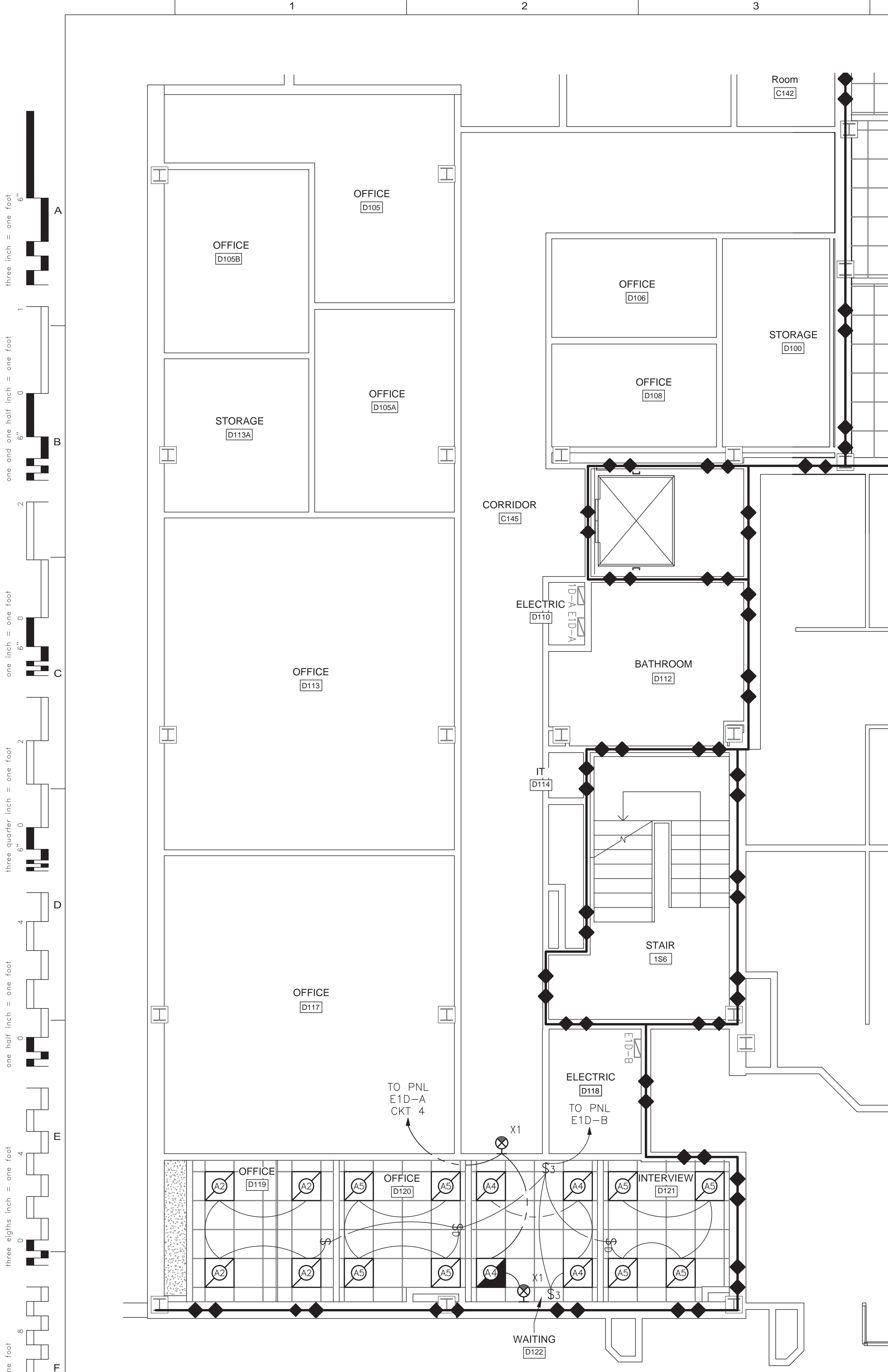
Building Number:  
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Drawing Number:  
EL101

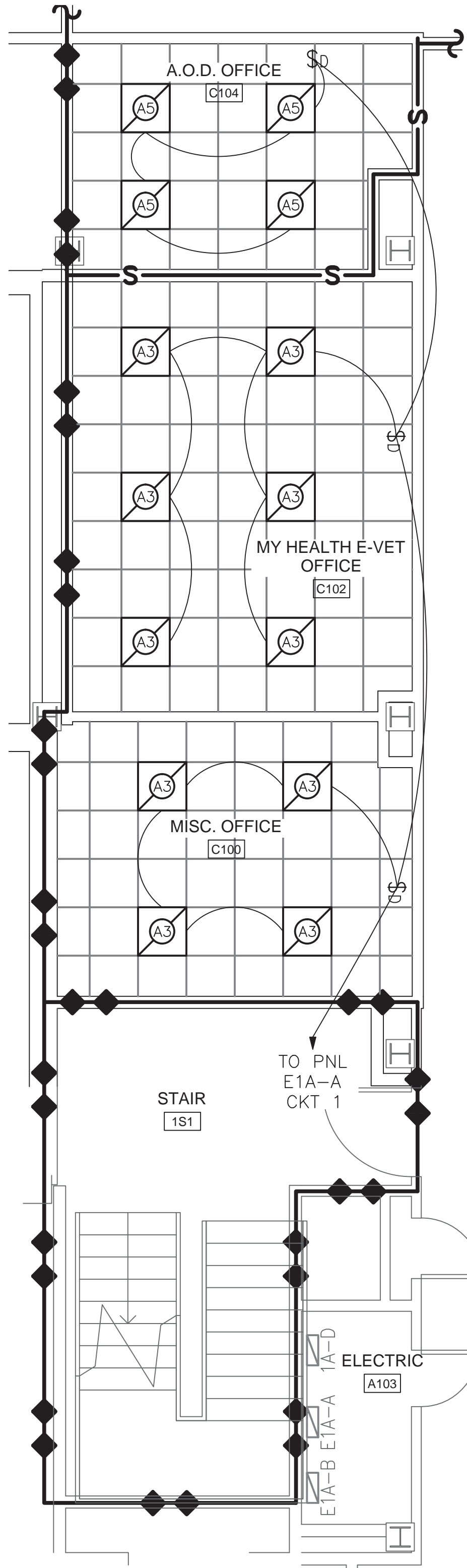
Dwg 47 of 56

Department of  
Veterans Affairs

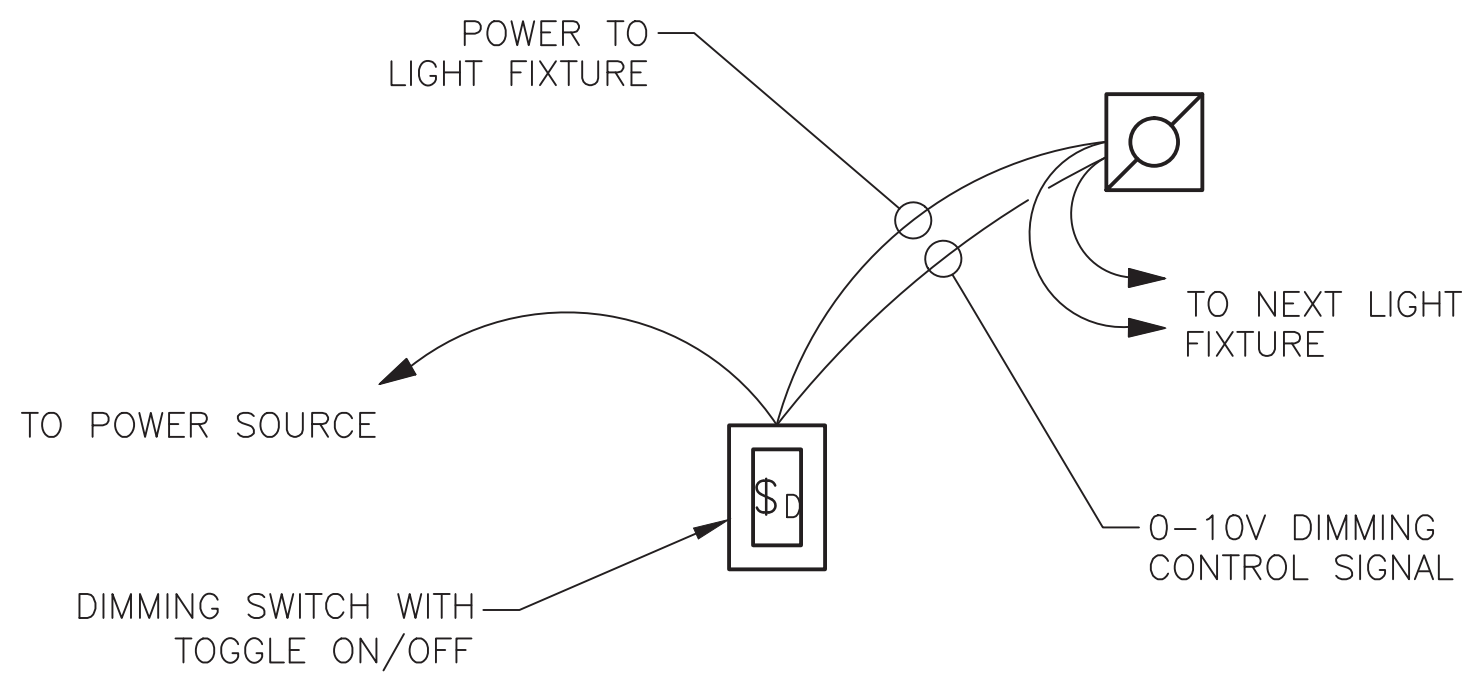




1 1ST FLOOR REFLECTED CEILING LIGHTING PLAN - AREA 'D'  
SCALE: 1/4" = 1'-0"



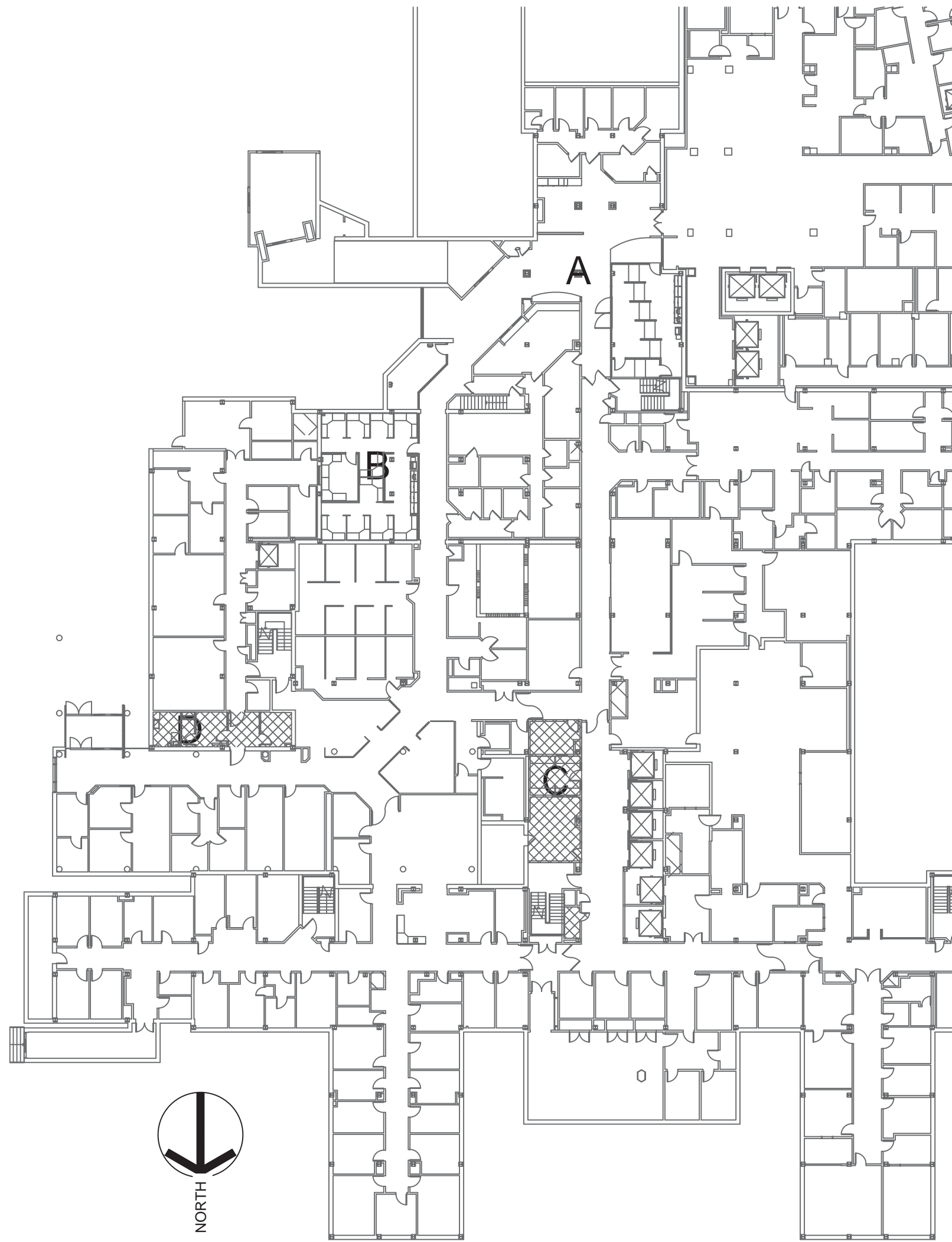
2 1ST FLOOR REFLECTED CEILING LIGHTING PLAN - AREA 'C'  
SCALE: 1/4" = 1'-0"



3 OFFICE LIGHT FIXTURE DIMMING CONTROL SCHEMATIC  
SCALE: N.T.S.

| KEYED NOTES |   |
|-------------|---|
| 1           | NOT USED  |
| 2           | CONNECT THROUGH THE 480/277V WATTSTOPPER PANEL IN ROOM S103A, FEED FROM 480/277V NORMAL LIGHTING PANEL IN ROOM S103 AS INDICATED          |
| 3           | NOT USED  |
| 4           | EXISTING LIGHTING IN THIS CORRIDOR TO REMAIN, CONTRACTOR TO ENSURE CIRCUIT CONTINUITY REMAINS DURING CONSTRUCTION ACTIVITIES.             |
| 5           | EXISTING LIGHTING IN THIS ROOM TO REMAIN, CONTRACTOR TO ENSURE EXISTING CIRCUIT CONTINUITY IS NOT INTERRUPTED BY CONSTRUCTION ACTIVITIES. |

| GENERAL NOTES |  |
|---------------|--|
| 1.            | CONTRACTOR TO ADJUST ALL STEP-DIMMING LIGHTING FIXTURES STEP-DIMMING SET POINT TO ACHIEVE THE AVERAGE LIGHTING LEVELS REQUIRED PER THE VA ELECTRIC DESIGN MANUAL FOR THE ROOM TYPE. SEE LIGHTING LEVELS TABLE DWG E-601  |
| 2.            | CONTRACTOR TO UPDATE DRAWINGS TO REFLECT ACTUAL CIRCUITS AND PANELS USED BASED UPON FIELD CONDITIONS.  |
| 3.            | CONTRACTOR SHALL PROVIDE THREE (3) TYPE WRITTEN UPDATED COPIES OF ANY PANELBOARD SCHEDULES THAT NEED TO BE MODIFIED AS A RESULT OF THIS PROJECT.   |
| 4.            | CONTRACTOR TO VERIFY THAT THE CAPACITY AVAILABLE IN THE WATTSTOPPER PANEL IS ADEQUATE TO SUPPORT THE NEEDS OF THIS PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPANDING THE WATTSTOPPER PANEL AS NEEDED TO ENSURE ADEQUATE CAPACITY TO SUPPORT THIS PROJECT. |
| 5.            | ALL DIMMING CONTROLS SHALL BE LINE POWERED 0-10V STYLE CONTROLS WITH TOGGLE OFF. SEE DETAIL 3, THIS DWG.   |



4 KEY PLAN  
1/32" = 1'-0"

SEE E-001 FOR GENERAL ELECTRICAL NOTES AND LEGENDS  
SEE E-601 FOR LIGHTING AND PANEL SCHEDULES

| No.       | Description | Date |
|-----------|-------------|------|
| REVISIONS |             |      |

CONSULTANTS:

STAMP



ARCHITECTS/ENGINEERS:



RJR ENGINEERING, P.C.  
PROFESSIONAL ENGINEERS  
P.O. BOX 344 - 23 Mechanic Street  
Springville, New York 14141-0344



309 South Franklin Street Syracuse, NY 13202  
Voice: 315.488.5635 www.swbr.com

Drawing Title:  
REFLECTED CEILING  
LIGHTING PLAN

Approved: Project Director

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

Project Title:  
BUSINESS OFFICE RENOVATION

Project Number:  
528A7-14-701

Building Number:  
1

Location: 800 Irving Avenue  
Syracuse, NY 13210

Date:  
10/01/15

Checked:  
TRG

Drawn:  
JFF

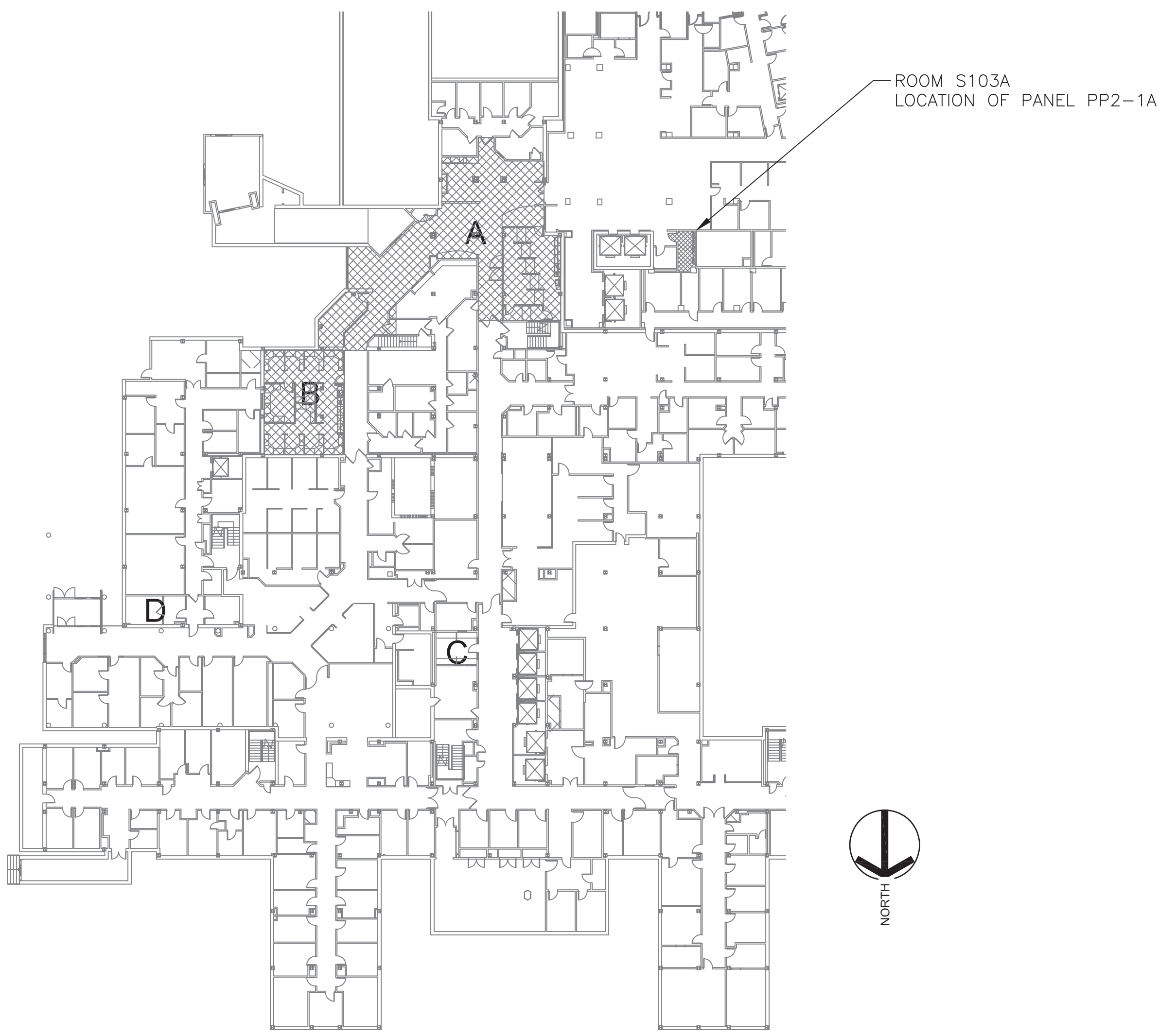
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Dwg 48 of 56

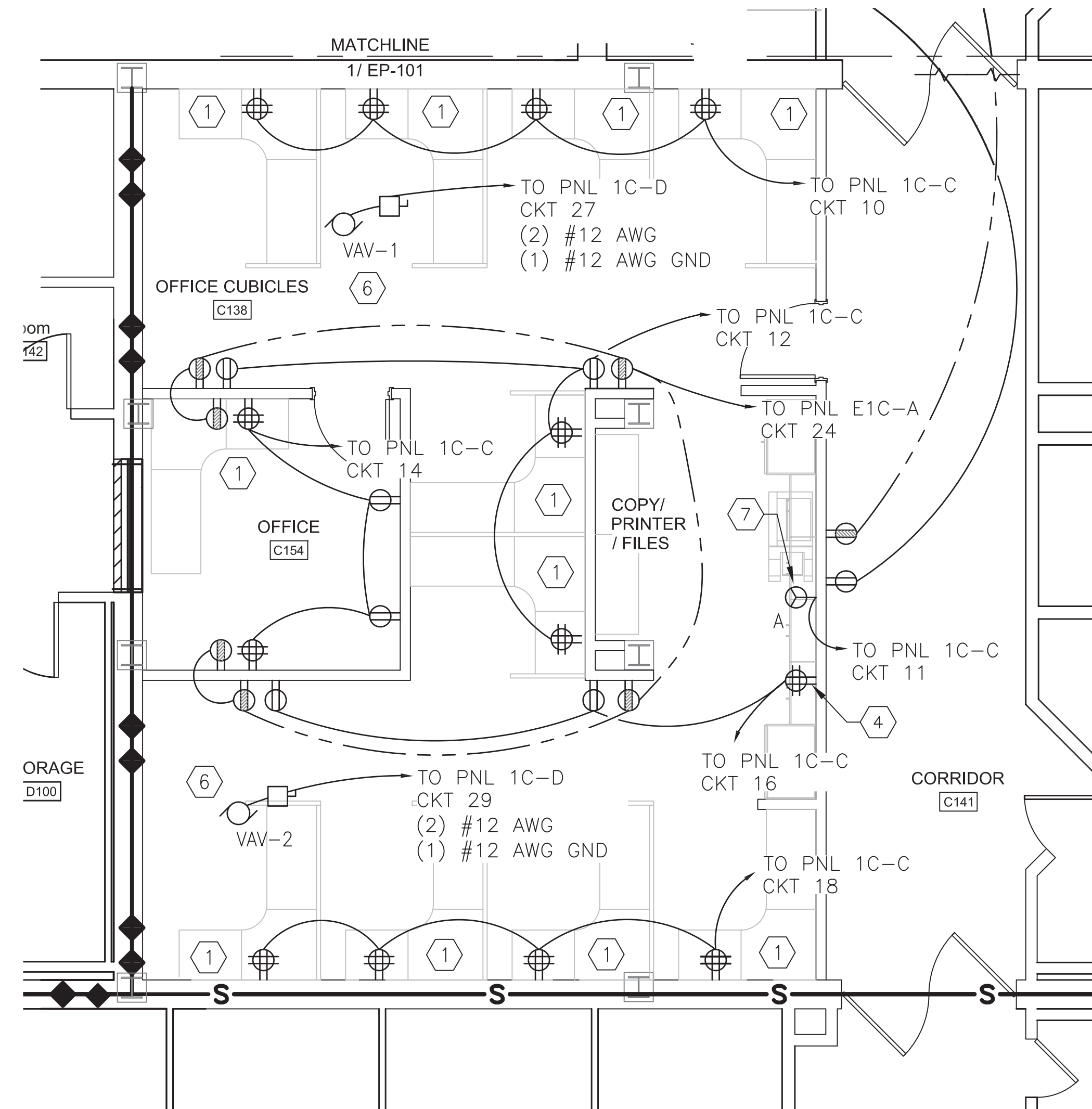




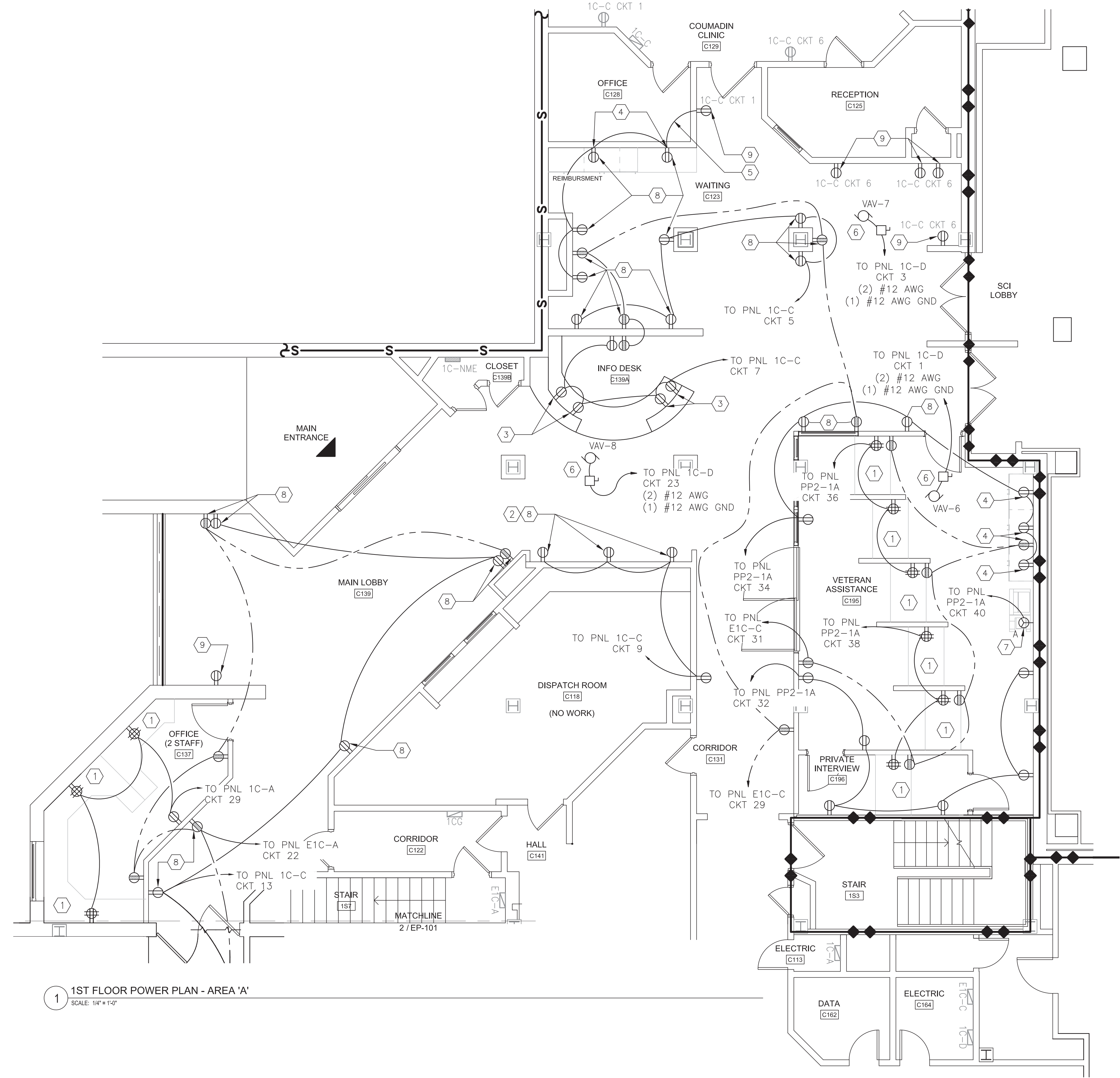
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3 KEY PLAN  
1/32" = 1'-0"







2 1ST FLOOR POWER PLAN - AREA 'B'  
SCALE: 1/4" = 1'-0"



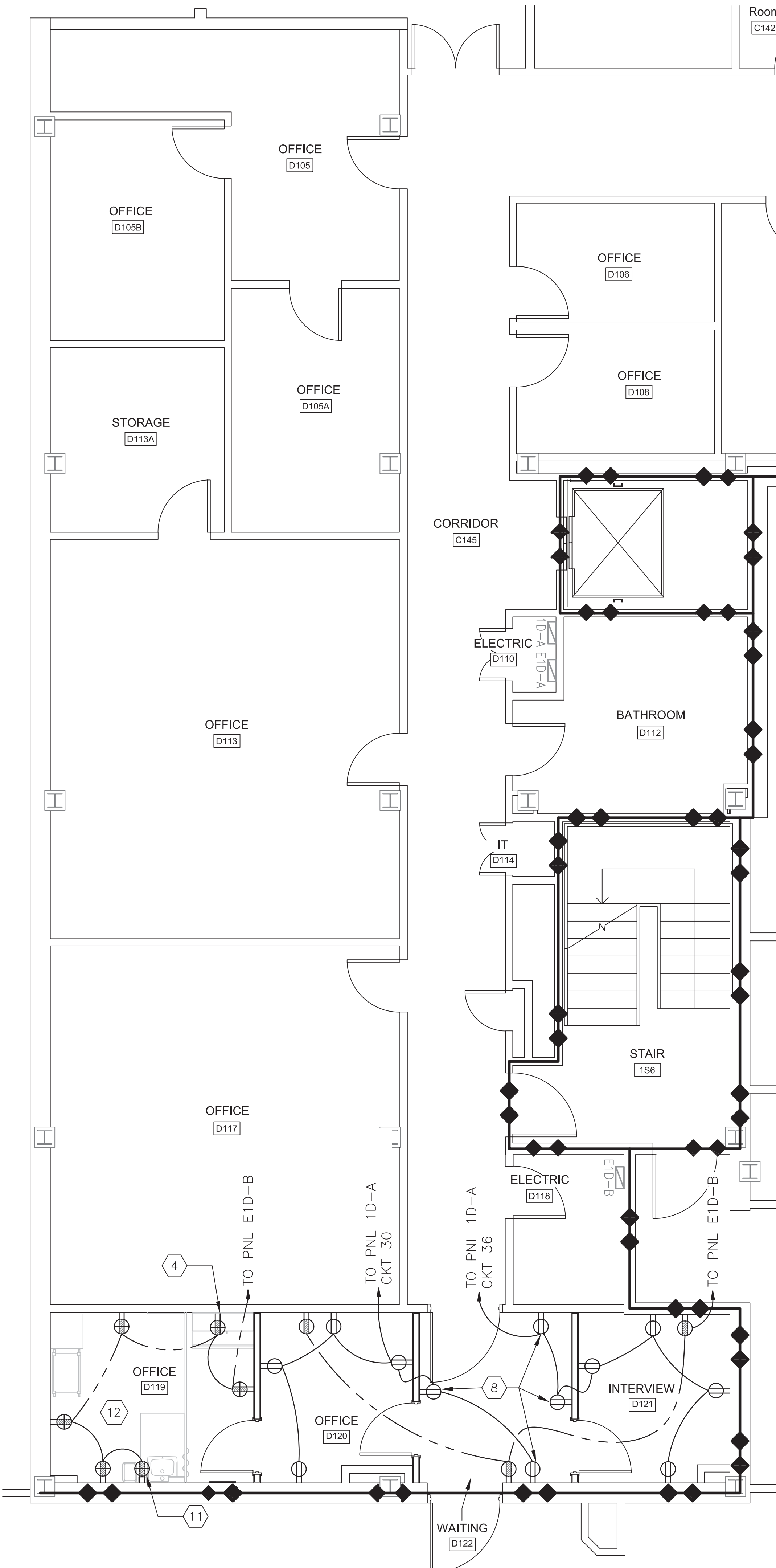
1 1ST FLOOR POWER PLAN - AREA 'A'  
SCALE: 1/4" = 1'-0"

SEE E-001 FOR GENERAL ELECTRICAL NOTES AND LEGENDS  
SEE EP102 FOR EP SERIES GENERAL AND KEYED NOTES  
SEE E-601 FOR PANEL SCHEDULES

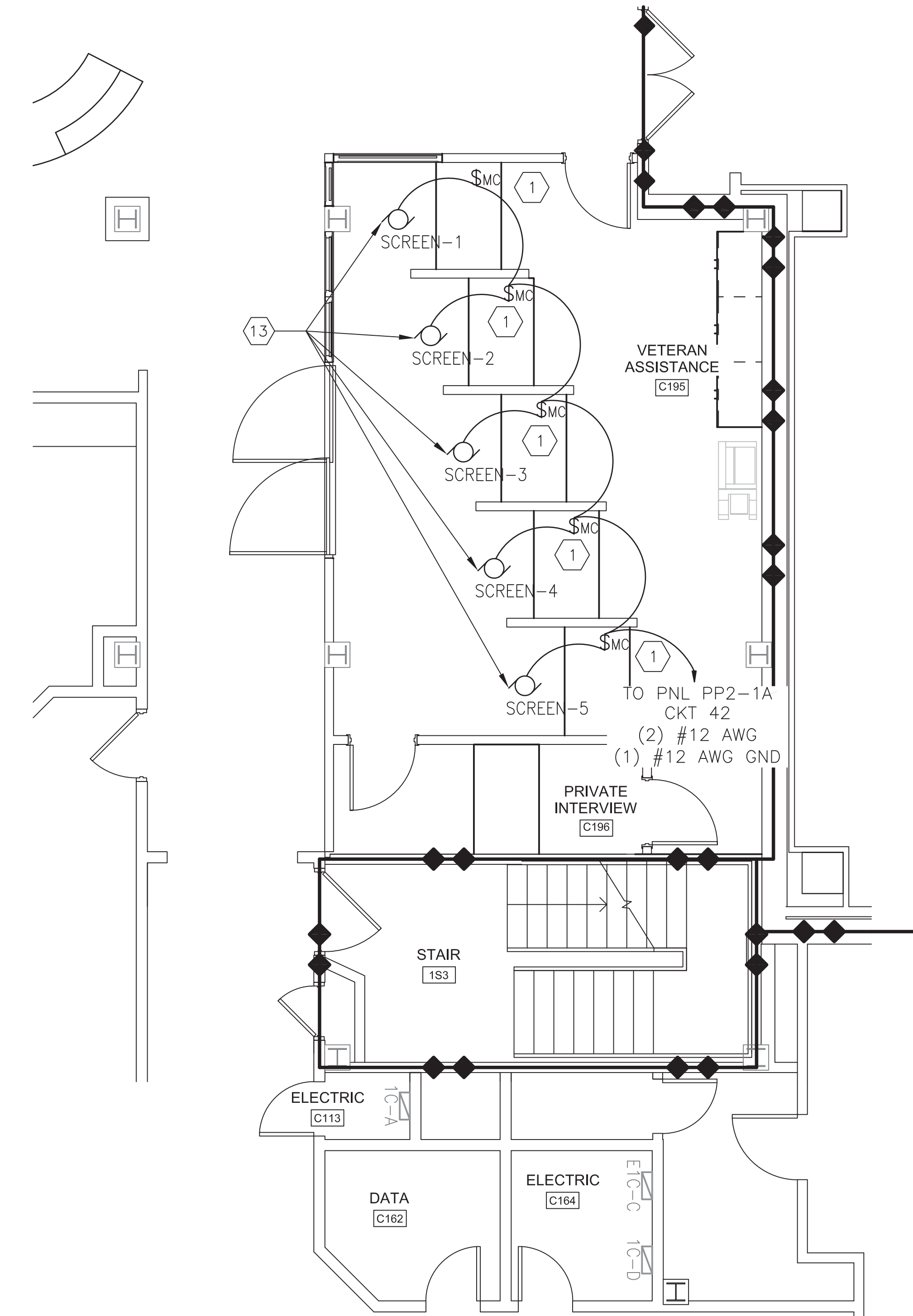
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|  |  |  | CONSULTANTS: |  | STAMP   |  | ARCHITECTS/ENGINEERS:   |  | Drawing Title:<br>ELECTRICAL POWER PLAN   |  | Project Title:<br>BUSINESS OFFICE RENOVATION      |  | Project Number:<br>528A7-14-701 |  |  |  |
|  |  |  |              |  |  |  | <br>www.rjpec.com<br>RJR ENGINEERING, P.C.<br>PROFESSIONAL ENGINEERS<br>P.O. BOX 344 - 22 Mechanics Street<br>Springville, New York 14121-0344 |  | <br>SWB ARCHITECTS<br>309 South Franklin Street Syracuse, NY 13202<br>Voice: 315.488.5635 www.swbr.com |  |   |  | Building Number:<br>1           |  |  |  |
|  |  |  |              |  |   |  | RJR Project #14306  |  | Approved: Project Director  |  | Location: 800 Irving Avenue<br>Syracuse, NY 13210 |  | Drawing Number:<br>EP101        |  |  |  |
|  |  |  |              |  |   |  | SWB Project #14310  |  |   |  | Date:<br>12/02/15                                 |  | Checked:<br>TRG                 |  | Drawn:<br>JFF  |  |
|  |  |  |              |  |   |  |   |  |   |  |   |  | Dwg 49 of 56                    |  |  Department of Veterans Affairs |  |



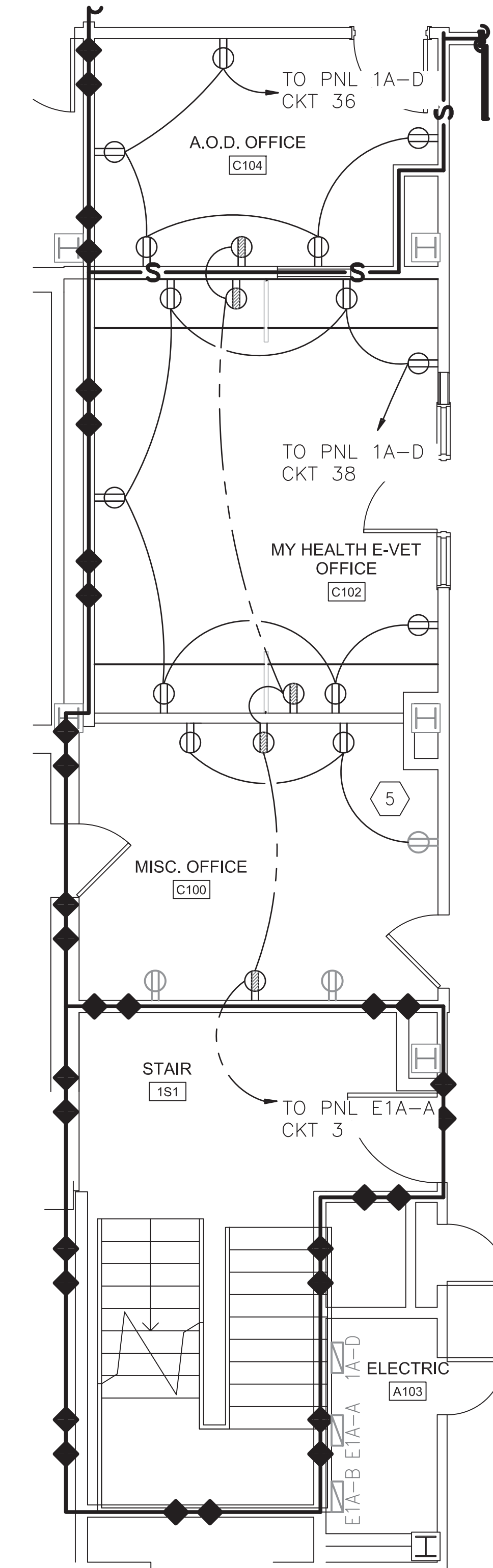
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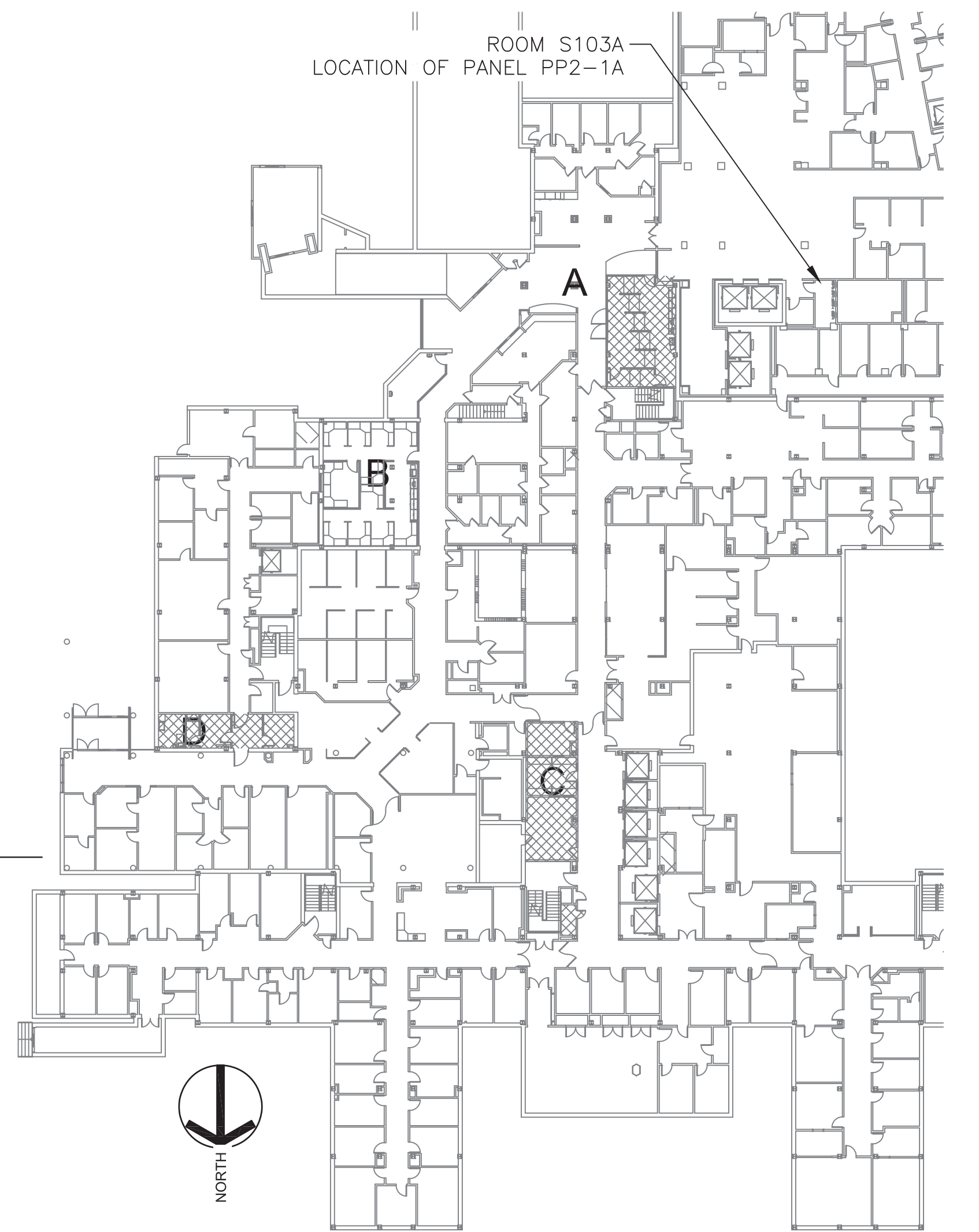
1 1ST FLOOR POWER PLAN - AREA 'D'  
SCALE: 1/4" = 1'-0"



2 1ST FLOOR POWER PLAN - VETERAN ASSISTANCE PROJECTION SCREENS  
SCALE: 1/4" = 1'-0"



3 1ST FLOOR POWER PLAN - AREA 'C'  
SCALE: 1/4" = 1'-0"



4 KEY PLAN  
1/32" = 1'-0"

- KEYED NOTES
- 1 COORDINATE DEVICE LOCATION WITH DESK INSTALLATION
  - 2 COORDINATE RECEPTACLE LOCATION WITH LOCATION OF KIOSKS
  - 3 COORDINATE RECEPTACLES WITH INFORMATION DESK INSTALLATION. ONE RECEPTACLE TO BE LOCATED ABOVE COUNTERTOP, ONE RECEPTACLE TO BE LOCATED AT STANDARD HEIGHT FROM FLOOR.
  - 4 COORDINATE WITH CABINET INSTALLATION. INSTALL RECEPTACLES ABOVE COUNTERTOP.
  - 5 EXTEND EXISTING CIRCUIT AS SHOWN, ENSURE CONTINUED CONTINUITY TO EXISTING FEED FROM BREAKER AS NECESSARY
  - 6 SEE MH103 FOR VAV LOCATION AND MH602 FOR VAV SCHEDULE. COORDINATE PLACEMENT OF DISCONNECT SWITCH WITH HVAC CONTRACTOR.
  - 7 PROVIDE DEDICATED 120V, 20A, 1P CIRCUIT FOR COPIER
  - 8 TAMPER RESISTANT TYPE RECEPTACLE
  - 9 REPLACE EXISTING RECEPTACLE WITH TAMPER RESISTANT TYPE
  - 10 NOT USED
  - 11 COORDINATE WITH SINK INSTALLATION, LOCATE RECEPTACLE ABOVE SINK BASIN
  - 12 ALL WIRING IN THIS AREA MUST COMPLY WITH NEC 517.13, AND 517.14.
  - 13 COORDINATE WITH PROJECTION SCREEN INSTALLATION, SEE DWG A-130 FOR LOCATIONS OF SCREENS

- GENERAL NOTES
- 1. ALL 120V RECEPTACLES SHALL BE HOSPITAL GRADE
  - 2. PANEL AND CIRCUIT ASSIGNMENTS BASED ON INFORMATION AVAILABLE AT TIME OF DESIGN. FIELD CONDITIONS MAY VARY. CONTRACTOR TO VERIFY FIELD CONDITIONS AND UPDATE DRAWINGS AS NECESSARY TO DOCUMENT DEVIATIONS FROM INDICATED PANEL AND CIRCUIT ASSIGNMENTS.

SEE E-001 FOR GENERAL ELECTRICAL NOTES AND LEGENDS  
SEE E-601 FOR PANEL SCHEDULES

| CONSULTANTS:   |  |   | STAMP |                       | ARCHITECTS/ENGINEERS: |           | FULLY SPRINKLERED |  | CONSTRUCTION DOCUMENT |  |                 |  |               |  |   |  |  |  |                                 |  |  |
|--|--|---|-------|-----------------------|-----------------------|-----------|-------------------|--|-----------------------|--|-----------------|--|---------------|--|---|--|--|--|---------------------------------|--|--|
| <table><tr><th>No.</th><th>Description</th><th>Date</th></tr><tr><td colspan="3">REVISIONS</td></tr></table> |  |   | No.   | Description           | Date                  | REVISIONS |                   |  |                       |  |                 |  |               |  | Drawing Title:<br>ELECTRICAL POWER PLAN |  | Project Title:<br>BUSINESS OFFICE RENOVATION |  | Project Number:<br>528A7-14-701 |  |  |
|  |  |   | No.   | Description           | Date                  |           |                   |  |                       |  |                 |  |               |  |   |  |  |  |                                 |  |  |
| REVISIONS  |  |   |       |                       |                       |           |                   |  |                       |  |                 |  |               |  |   |  |  |  |                                 |  |  |
| Approved: Project Director   |  | Location: 800 Irving Avenue<br>Syracuse, NY 13210 |       | Building Number:<br>1 |                       |           |                   |  |                       |  |                 |  |               |  |   |  |  |  |                                 |  |  |
|  |  |   |       |                       |                       |           |                   |  | Date:<br>12/02/15     |  | Checked:<br>TRG |  | Drawn:<br>JFF |  | Drawing Number:<br>EP102                |  |  |  |                                 |  |  |
|  |  |   |       |                       |                       |           |                   |  |                       |  |                 |  | Dwg 50 of 56  |  |   |  |  |  |                                 |  |  |



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COMMUNICATION AND ELECTRONIC SAFETY AND SECURITY ABBREVIATIONS

1PH  
1P  
2/C  
3/C  
3PH  
4/C  
4W  
  
A/C UNIT  
A/E  
AAP  
AC  
  
ACC  
ADDL  
ADJ  
ADO  
AFC  
AFF  
AFG  
AHJ  
ALT  
AMB OR A  
ARCH  
ATS  
AUTO  
AV  
  
BAT  
BC  
BD  
BFF  
BLDG  
BPIP  
BYP  
  
C  
CAB  
CALC  
CAP  
CAT  
CATV  
CCR  
CCTV  
CD  
CF  
CF/Ci  
CF/OI  
CFE  
CLG  
CMU  
COAX  
COMM  
COMPT  
CONC  
CONT  
CONTR  
COORD  
CTV  
CU  
CU FT  
CUR  
  
DB  
DC  
DEG C  
DEG F  
DEMO  
DIAG  
DISTR  
DN  
DRSW  
DWG  
  
EC  
EG  
EL  
ELEC  
ELEV  
EMER  
EMI  
EMT  
ENCL  
EPO  
ESMT  
EXIST  
  
FLEX  
FOUTT  
FP  
FT  
FU SW  
  
G OR GND  
GEN  
GTB  
  
HOA  
HT  
HZ  
  
IMC  
IR  
  
J-BOX  
  
LF  
LTNG  
LV

SINGLE-PHASE  
SINGLE POLE  
TWO-CONDUCTOR  
THREE-CONDUCTOR  
THREE-PHASE  
FOUR-CONDUCTOR  
FOUR-WIRE  
  
AIR CONDITIONING UNIT  
ARCHITECT/ENGINEER  
ALARM ANNUNCIATOR PANEL  
ALTERNATING CURRENT OR ARMORED CABLE  
ACCESSIBLE  
ADDITIONAL  
ADJACENT, ADJOINING  
AUTOMATIC DOOR OPENER  
ABOVE FINISHED COUNTER  
ABOVE FINISHED FLOOR  
ABOVE FINISHED GRADE  
AUTHORITY HAVING JURISDICTION  
ALTERNATE  
AMBIENT  
ARCHITECT  
AUTOMATIC TRANSFER SWITCH  
AUTOMATIC  
AUDIO VISUAL  
  
BATTERY  
BARE COPPER  
BOARD  
BELOW FINISH FLOOR  
BUILDING  
BOILER PLANT INSTRUMENTATION PANEL  
BY PASS  
  
CONDUIT  
CABINET  
CALCULATE  
CAPACITY  
CATALOG  
COMMUNITY ANTENNA TELEVISION  
CONTROL CONTACTOR  
CLOSED CIRCUIT TELEVISION  
CONSTRUCTION DOCUMENTS  
CONTRACTOR FURNISHED  
CONTRACTOR  
FURNISHED/CONTRACTOR INSTALLED  
CONTRACTOR FURNISHED/OWNER INSTALLED  
CONTRACTOR FURNISHED EQUIPMENT  
CEILING  
CONCRETE MASONRY UNIT  
COAX CABLE  
COMMUNICATION  
COMPARTMENT  
CONCRETE  
CONTINUE  
CONTRACTOR  
COORDINATE  
CABLE TELEVISION  
COPPER  
CUBIC FEET  
CURRENT  
  
DECIBEL OR DIRECT BURIAL  
DIRECT CURRENT  
DEGREES CELSIUS  
DEGREES FAHRENHEIT  
DEMOLITION  
DIAGRAM  
DISTRIBUTION  
DOWN  
DOOR SWITCH  
DRAWING  
  
EMPTY CONDUIT  
EQUIPMENT GROUND  
ELEVATION  
ELECTRIC OR ELECTRICAL  
ELEVATOR  
EMERGENCY  
ELECTROMAGNETIC INTERFERENCE  
ELECTRICAL METALLIC TUBING  
ENCLOSURE  
EMERGENCY POWER OFF  
EASEMENT  
EXISTING  
  
FLEXIBLE METALLIC CONDUIT  
TELEPHONE FLOOR OUTLET  
FIRE PROTECTION  
FEET OR FOOT  
FUSED SWITCH  
  
GROUND OR GENERATOR  
GENERATOR  
GROUND TERMINAL BOX  
  
HAND-OFF-AUTOMATIC  
HEIGHT  
HERTZ  
  
INTERMEDIATE METAL CONDUIT  
INFRARED  
  
JUNCTION BOX  
  
LINEAR FEET (FOOT)  
LIGHTNING  
LOW VOLTAGE

MATV  
MAX  
MECH  
MH  
MIN  
MT  
MTD  
MTG  
  
NA  
NEC  
NEUT OR  
NIC  
NS  
NTS  
  
OC  
OD  
  
P  
PA  
PB  
  
PBP  
P  
PED  
PEND  
PF  
PH  
PNL  
PVC  
PWR  
  
RCP  
REC  
RECPT  
RGS  
RM  
REQD  
  
SF  
SHT  
SI  
SPEC  
SURF  
SW  
  
TEL  
TP  
TPS  
TTB  
TV  
TYP  
  
UFD  
UGND  
UL  
UON  
UPS  
UTIL  
  
V  
  
WP

MASTER ANTENNA TELEVISION SYSTEM  
MAXIMUM  
MECHANICAL  
MANHOLE  
MINIMUM  
MOUNT  
MOUNTED  
MOUNTING  
  
NOT APPLICABLE  
NATIONAL ELECTRICAL CODE  
NEUTRAL  
NOT IN CONTRACT  
NO SCALE  
NOT TO SCALE  
  
ON CENTER  
OUTSIDE DIAMETER  
  
POLE  
PUBLIC ADDRESS  
PANELBOARD, PULL BOX, OR PUSHBUTTON  
PREFABRICATED BEDSIDE PATIENT UNIT  
PEDESTAL  
PENDANT  
POWER FACTOR  
PHASE  
PANEL  
POLYVINYL CHLORIDE (PLASTIC)  
POWER  
  
REFLECTED CEILING PLAN  
RECESSED  
RECEPTACLE  
RIGID GALVANIZED STEEL  
ROOM  
REQUIRED  
  
SQUARE FOOT (FEET)  
SHEET  
INTERNATIONAL SYSTEM OF UNITS  
SPECIFICATION  
SURFACE  
SWITCH  
  
TELEPHONE  
TWISTED PAIR  
TWISTED PAIR SHIELDED  
TELEPHONE TERMINAL BOARD  
TELEVISION  
TYPICAL  
  
UNDERFLOOR DUCT  
UNDERGROUND  
UNDERWRITERS LABORATORY  
UNLESS OTHERWISE NOTED  
UNINTERRUPTIBLE POWER SUPPLY  
UTILITY  
  
VOLT  
  
WEATHERPROOF

COMMUNICATION SYMBOLS

OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION  
  
CABLE TELEVISION LINE = CATV  
  
CLOSED CIRCUIT TELEVISION LINE = CCTV. MINIMUM 1" [25mm] CONDUIT  
  
FIBEROPTICS LINE = FO  
  
TELEPHONE LINE = T  
  
INTERCOM LINE = I. MINIMUM 3/4" [19mm] CONDUIT.  
  
SOUND LINE = S  
  
NURSE CALL LINE = NC. MINIMUM 3/4" [19mm] CONDUIT.  
  
RADIO CONDUIT RUN, MINIMUM 3/4" [19mm] CONDUIT.  
  
TELECOMMUNICATIONS MANHOLE  
  
FLOOR RECEPTACLE, TELEPHONE  
  
OUTLET TELEPHONE; LETTER INDICATES AS FOLLOWS:  
J = JACK TYPE W = WALL TYPE  
  
OUTLET DATA ONLY  
  
OUTLET; LETTER INDICATES AS FOLLOWS:  
A = AUDIO V = VIDEO I = INTERCOM  
  
OUTLET, TELEVISION  
BLANK = 4 11/16" [119mm] MASTER ANTENNA OUTLET BOX  
W/BLANK COVER, MTD. 18" [457mm] AFF UNLESS OTHERWISE NOTED.  
C = CAMERA (CCTV SYSTEM), MTD 18" [457mm] AFF  
M = MONITOR (CTTV SYSTEM).  
TELEPHONE TERMINAL CABINET  
  
TELEPHONE BACKBOARD (WALL MOUNTED)

OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION  
  
CABLE TELEVISION LINE = CATV  
  
CLOSED CIRCUIT TELEVISION LINE = CCTV. MINIMUM 1" [25mm] CONDUIT  
  
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TELECOMMUNICATIONS MANHOLE  
  
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C = CAMERA (CCTV SYSTEM), MTD 18" [457mm] AFF  
M = MONITOR (CTTV SYSTEM).  
TELEPHONE TERMINAL CABINET  
  
TELEPHONE BACKBOARD (WALL MOUNTED)

ELECTRONIC SAFETY AND SECURITY SYMBOLS

AUDIO DEVICE; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
B-BELL C-CHIME H-HORN K-KLAXON  
L-LISTEN-IN M-MICROPHONE S-SOUNDER  
S-SPEAKER Z-BUZZER  
  
BI-STATIC BEAM SENSOR; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
I-INFRARED M-MICROWAVE  
F=FUNCTION  
RX-RECEIVE TX-TRANSMIT  
  
BIOMETRICS ACCESS CONTROL DEVICE; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
F-FINGER PRINT H-HAND GEOMETRY I-EYE IRIS  
R-EYE RETINA V-VOICE  
  
CARD ACCESS READER; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
B-BARCODE F-ELEVATOR FLOOR CALL H-ELEVATOR HALL CALL  
M-MAG STRIP P-PROXIMITY S-SMART CARD  
T-TOKEN  
  
CARD READER WITH KEYPAD; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
  
VIDEO CAMERA WITH LENS  
  
ELECTRONIC LOCK; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
D-DEADBOLT H-HYBRID L-LATCH SET M-MAGNETIC S-STRIKE  
  
MOTION DETECTOR; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
D-DUAL TECHNOLOGY IR-INFRARED M-MICROWAVE  
U-ULTRASONIC X-REQUEST-FOR-EXIT  
  
PUSH BUTTON; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
B-BELL PUSH D-DURESS P-PANIC R-DOOR RELEASE  
X-REQUEST-FOR-EXIT  
  
EXIT DEVICE; LETTER INDICATES AS FOLLOWS:  
T=TECHNOLOGY/TYPE  
D-DELAYED EGRESS E-ELECTRIFIED M-MECHANICAL  
X-HIGH SECURITY

AUDIO DEVICE; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
B-BELL C-CHIME H-HORN K-KLAXON  
L-LISTEN-IN M-MICROPHONE S-SOUNDER  
S-SPEAKER Z-BUZZER  
  
BI-STATIC BEAM SENSOR; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
I-INFRARED M-MICROWAVE  
F=FUNCTION  
RX-RECEIVE TX-TRANSMIT  
  
BIOMETRICS ACCESS CONTROL DEVICE; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
F-FINGER PRINT H-HAND GEOMETRY I-EYE IRIS  
R-EYE RETINA V-VOICE  
  
CARD ACCESS READER; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
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T=TECHNOLOGY/TYPE  
B-BARCODE F-ELEVATOR FLOOR CALL H-ELEVATOR HALL CALL  
M-MAG STRIP P-PROXIMITY S-SMART CARD  
T-TOKEN  
  
CARD READER WITH KEYPAD; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
  
VIDEO CAMERA WITH LENS  
  
ELECTRONIC LOCK; LETTER INDICATES AS FOLLOWS:  
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P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
D-DUAL TECHNOLOGY IR-INFRARED M-MICROWAVE  
U-ULTRASONIC X-REQUEST-FOR-EXIT  
  
PUSH BUTTON; LETTER INDICATES AS FOLLOWS:  
M=MOUNT  
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION  
P-PEDESTAL R-RACK S-SURFACE W-WALL  
T=TECHNOLOGY/TYPE  
B-BELL PUSH D-DURESS P-PANIC R-DOOR RELEASE  
X-REQUEST-FOR-EXIT  
  
EXIT DEVICE; LETTER INDICATES AS FOLLOWS:  
T=TECHNOLOGY/TYPE  
D-DELAYED EGRESS E-ELECTRIFIED M-MECHANICAL  
X-HIGH SECURITY

GENERAL NOTES

1. VERIFY BOX LOCATION WITH COR PRIOR TO ROUGHING IN THE INSTALLATION.  
2. ALL WALL MOUNTED BACK BOXES TO A MINIMUM OF 18 INCHES ABOVE THE FINISHED FLOOR UNLESS OTHERWISE SPECIFIED IN THE KEY NOTES.  
3. ALL DATA AND PHONE LINES SHALL BE INSTALLED IN A MINIMUM 1" EMT CONDUIT RUN VERTICALLY IN THE WALLS AND STUBBING ABOVE THE CEILING BY AT LEAST 1 INCH. INSTALL WITH A PULL STRING TO SIMPLIFY FUTURE INSTALLATION.  
4. ALL WIRING FOR COMMUNICATION DEVICES SHALL BE INSTALLED WITH A PULL STRING TO SIMPLIFY FUTURE INSTALLATION.  
5. USE EXISTING TIE-IN POINTS FOR WIRE TERMINATION.  
6. ALL WIRING ABOVE SUSPENDED CEILING WILL BE SUSPENDED USING APPROVED WIRE HANGERS OR BASKET CABLE TRAYS.  
7. OUTLET BOXES SHALL BE THE SAME MINIMUM SIZE AS NEC STANDARD 6 IN x 6 IN x 2.5 IN THAT COULD CONTAIN DUAL DUPLEX ELECTRICAL OUTLETS.  
8. OUTLET BOXES SHALL BE EQUIPPED WITH FULL COVERED WALL FACEPLATES THAT SHALL COVER THE ENTIRE BOX WITHOUT TRIM RINGS ADDED, AND SHALL EMPLOY TWO EACH MODULAR CATEGORY 6 (OR BETTER) RJ-45/11 JACKS FOR VOICE, AND TWO EACH MODULAR CATEGORY 6 (OR BETTER) RJ-45 JACKS FOR DATA. THE BOX SHALL ALSO PROVIDE SPACE FOR THE ADDITION OF ONE MODULAR STAINLESS STEEL (AT&T-ST) FIBER-OPTIC JACK AND ONE BNC.  
9. PLENUM/CMP RATED WIRE OR CABLE SHALL BE PROVIDED IN ALL AIR-HANDLING PLENUM LOCATIONS. NON-PLENUM/CM WIRE OR CABLE MAY BE PROVIDED IN ALL OTHER AREAS.

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APPLICABLE CODES

THE APPLICABLE MODEL CODES, STANDARDS AND REFERENCES DOCUMENTS PERTINENT TO THE PROJECT ARE AS FOLLOWS:  

- NFPA 101 LIFE SAFETY CODE (2015)
- NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
- NFPA 10 STANDARD FOR PORTABLE FIRE EXTINGUISHERS (2013)
- INTERNATIONAL BUILDING CODE (IBC 2012)
- INTERNATIONAL MECHANICAL CODE (IMC 2012)
- ASHRAE STANDARDS
- NATIONAL ELECTRICAL CODE (NEC 2014)
- OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
- VA SEISMIC DESIGN REQUIREMENTS, H-18-8
- ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE
- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
- MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURALSTEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- ENERGY POLICY ACT OF 2005 (EPACT)
- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY

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CONSULTANTS:

STAMP

ARCHITECTS/ENGINEERS:

Drawing Title:  
COMMUNICATIONS, DATA, & SECURITY  
GENERAL NOTES AND LEGEND  
  
Approved: Project Director

Project Title:  
BUSINESS OFFICE RENOVATION  
  
Project Number:  
528A7-14-701  
  
Building Number:  
1  
  
Drawing Number:  
T-001  
  
Dwg 51 of 56

Location:  
800 Irving Ave  
Syracuse, NY 13210  
  
Date:  
10/01/15  
  
Checked:  
TRG  
  
Drawn:  
CGR

Department of  
Veterans Affairs

VA FORM 08-6231, Oct 1978

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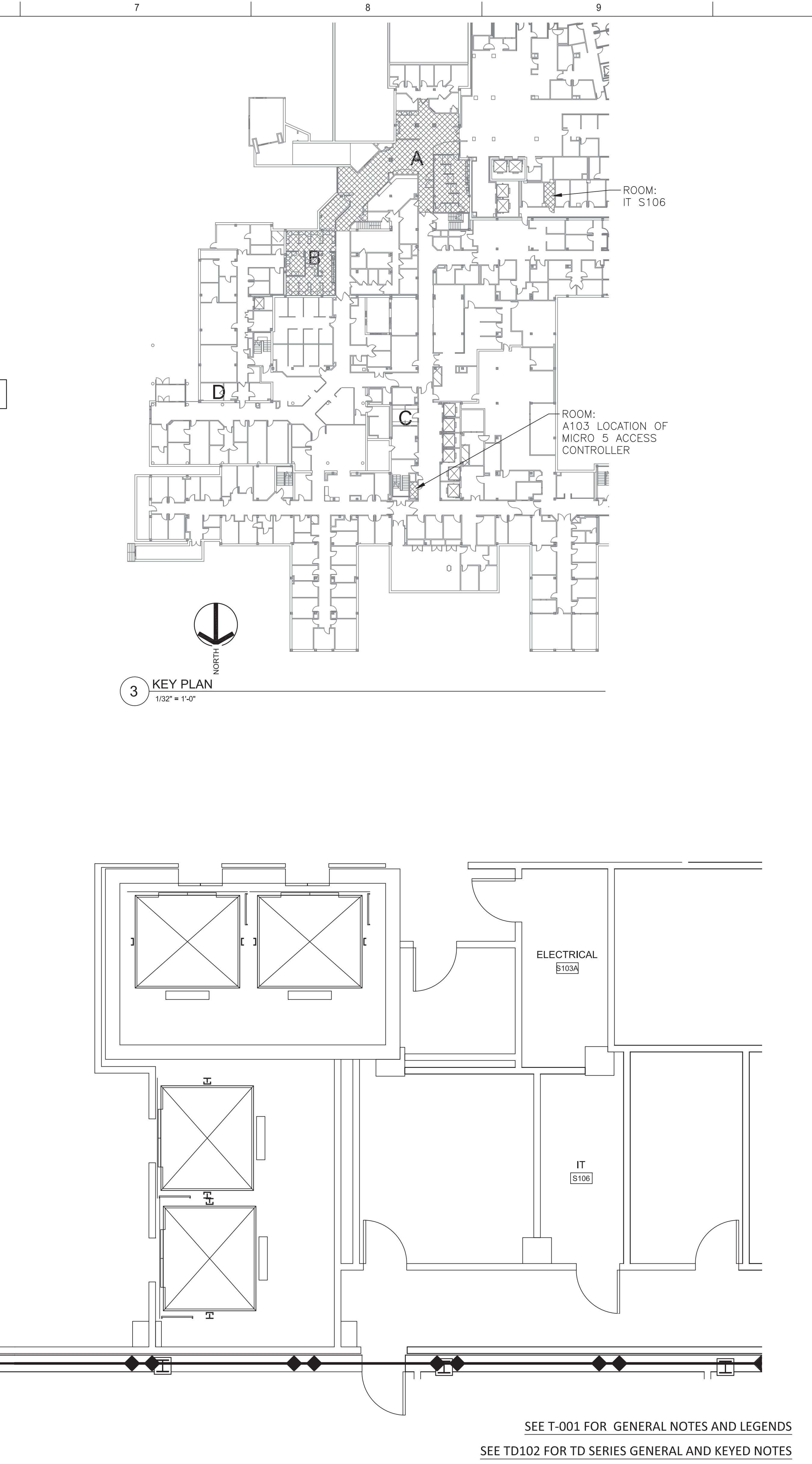
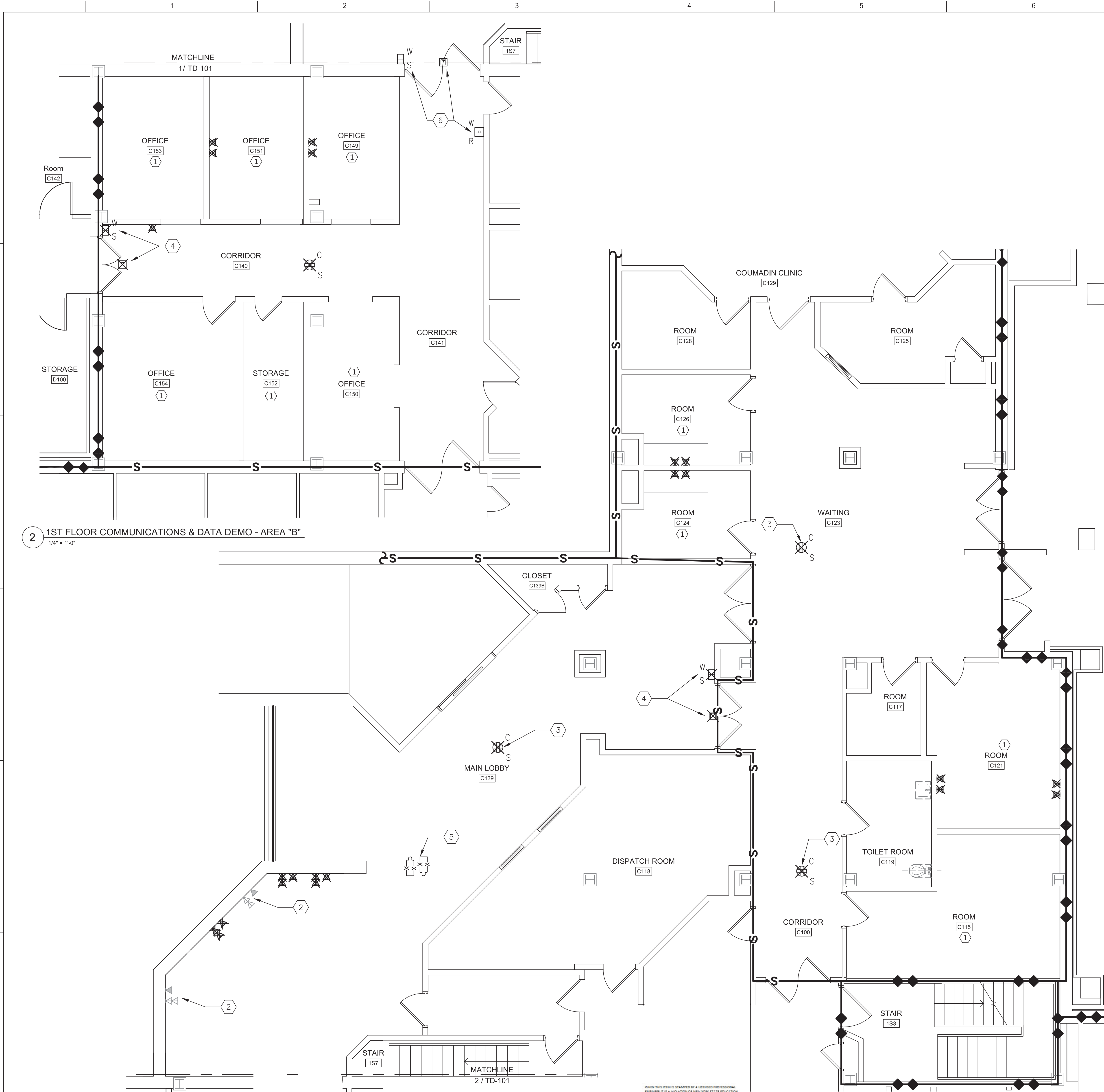
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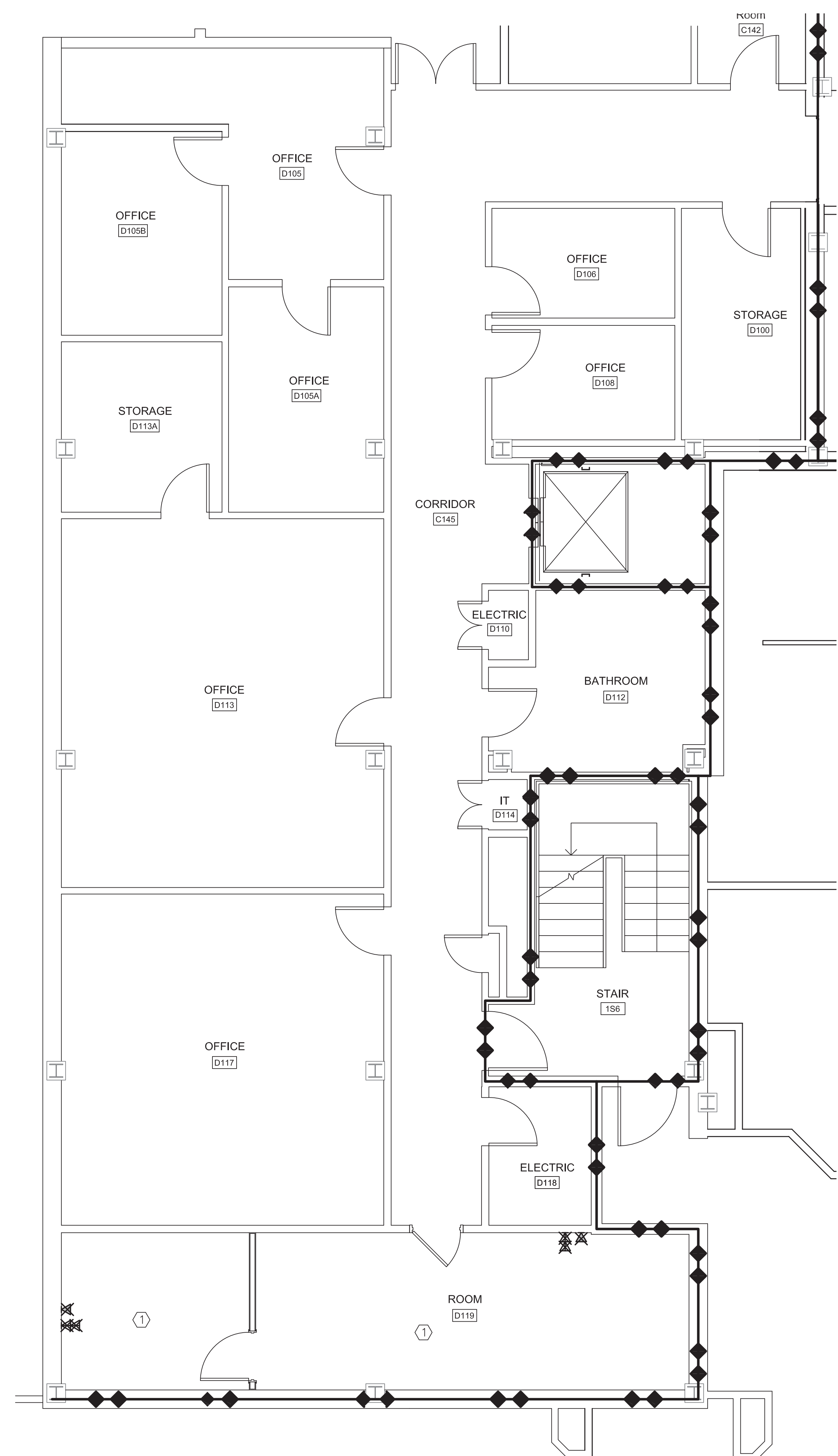
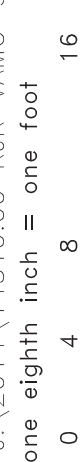
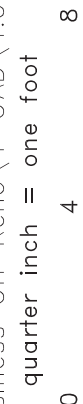
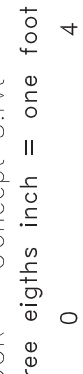
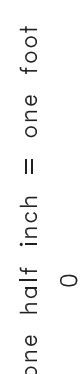
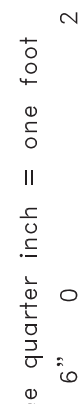
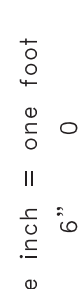
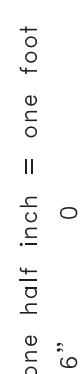
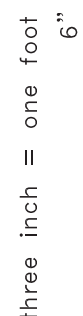


three inch = one foot  
one and one half inch = one foot  
one inch = one foot  
three quarter inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

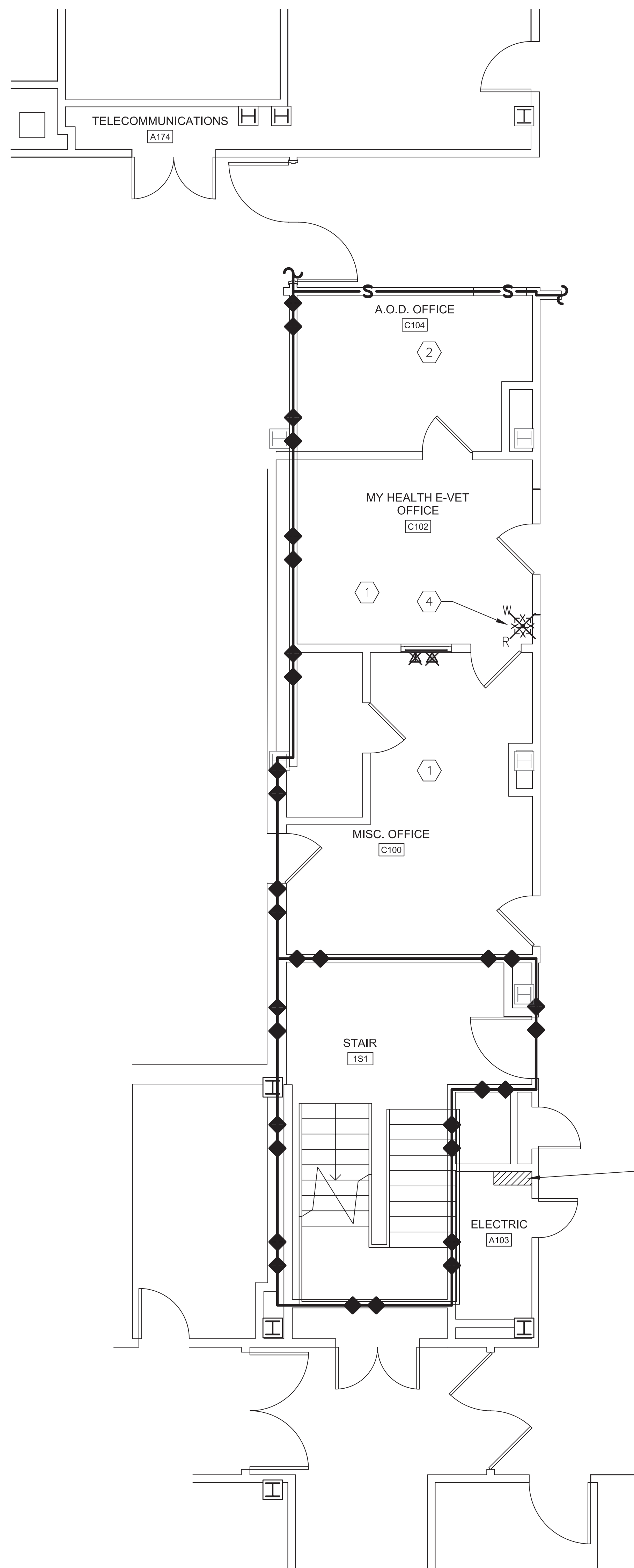


|                      |  |  |  |  |  |   |  |   |  |
|----------------------|--|--|--|--|--|---|--|---|--|
| CONSULTANTS:         |  | STAMP  |  | ARCHITECTS/ENGINEERS:  |  | FULLY SPRINKLERED   |  | CONSTRUCTION DOCUMENT                             |  |
| No. Description Date |  | STATE OF NEW YORK<br>THOMAS R. GILMARTIN<br>085647<br>REGISTERED PROFESSIONAL ENGINEER |  | RJR ENGINEERING, P.C.<br>PROFESSIONAL ENGINEERS<br>P.O. BOX 344 - 23 Mechanic Street<br>Springville, New York 14141-0344 |  | Drawing Title:<br>COMMUNICATIONS, DATA, & SECURITY<br>DEMOLITION PLAN |  | Project Title:<br>BUSINESS OFFICE RENOVATION      |  |
| REVISIONS            |  |  |  | RJR Project #14306   |  | Approved: Project Director  |  | Location: 800 Irving Avenue<br>Syracuse, NY 13210 |  |
|                      |  |  |  | SWBR ARCHITECTS<br>309 South Franklin Street<br>Syracuse, NY 13202<br>Voice: 315.488.5635 www.swbr.com                   |  | Date: 12/02/15  |  | Checked: JTA                                      |  |
|                      |  |  |  |  |  |   |  | Drawn: RJA  |  |
|                      |  |  |  |  |  |   |  | Project Number:<br>528A7-14-701                   |  |
|                      |  |  |  |  |  |   |  | Building Number:<br>1                             |  |
|                      |  |  |  |  |  |   |  | Drawing Number:<br>TD101                          |  |
|                      |  |  |  |  |  |   |  | Dwg 52 of 56                                      |  |
|                      |  |  |  |  |  |   |  | Department of<br>Veterans Affairs                 |  |



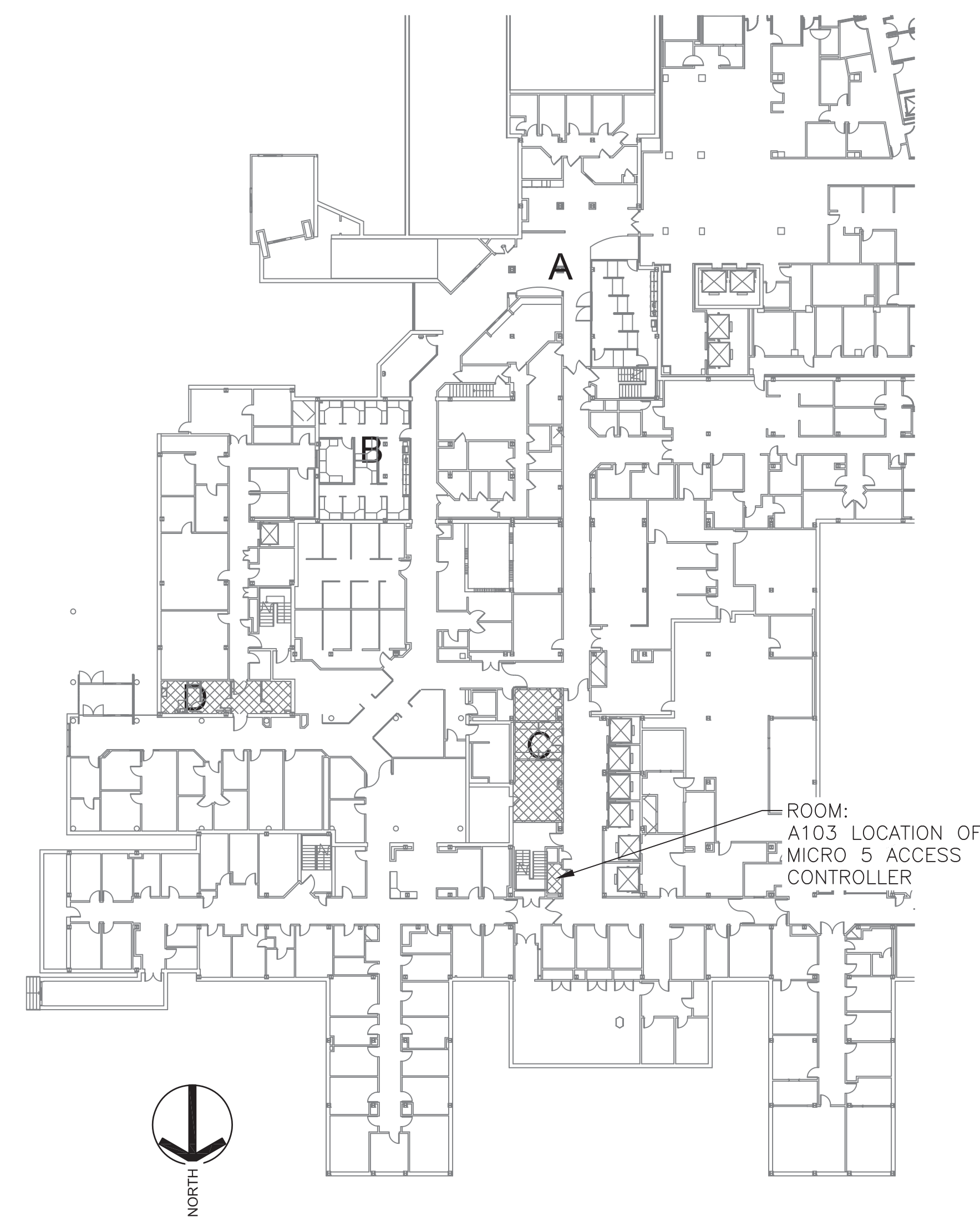


1 1ST FLOOR DEMO PLAN - AREA 'D'  
SCALE: 1/4" = 1'-0"







2 1ST FLOOR COMMUNICATIONS & DATA DEMO - AREA 'C'  
SCALE: 1/4" = 1'-0"

| KEYED NOTES |   |
|-------------|---|
| ①           | REMOVE ALL EXISTING DATA AND TELEPHONE JACKS IN THIS ROOM.  |
| ②           | EXISTING DATA AND TELEPHONE JACKS TO REMAIN. CONTRACTOR TO PROTECT DURING CONSTRUCTION ACTIVITIES.  |
| ③           | EXISTING BOX AND WIRE TO REMAIN, CONDUIT SHALL BE PAINTED YELLOW, IF NOT ALREADY  |
| ④           | REMOVE EXISTING ACCESS CONTROL DEVICES & WIRING. COORDINATE WITH BER NATIONAL. SEE T501 FOR TYPICAL DEVICE CONFIGURATIONS.  |
| ⑤           | REMOVE SECURITY CAMERAS IF NECESSARY FOR CONSTRUCTION ACTIVITIES. BOX AND WIRE TO REMAIN. SAVE CAMERAS FOR REINSTALLATION FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES. COORDINATE ACTIVITIES WITH BER NATIONAL. |
| ⑥           | EXISTING ACCESS CONTROL DEVICES TO REMAIN. CONTRACTOR TO RELOCATE AS NECESSARY TO SUPPORT CONSTRUCTION ACTIVITIES. COORDINATE ACTIVITIES WITH BER NATIONAL.   |



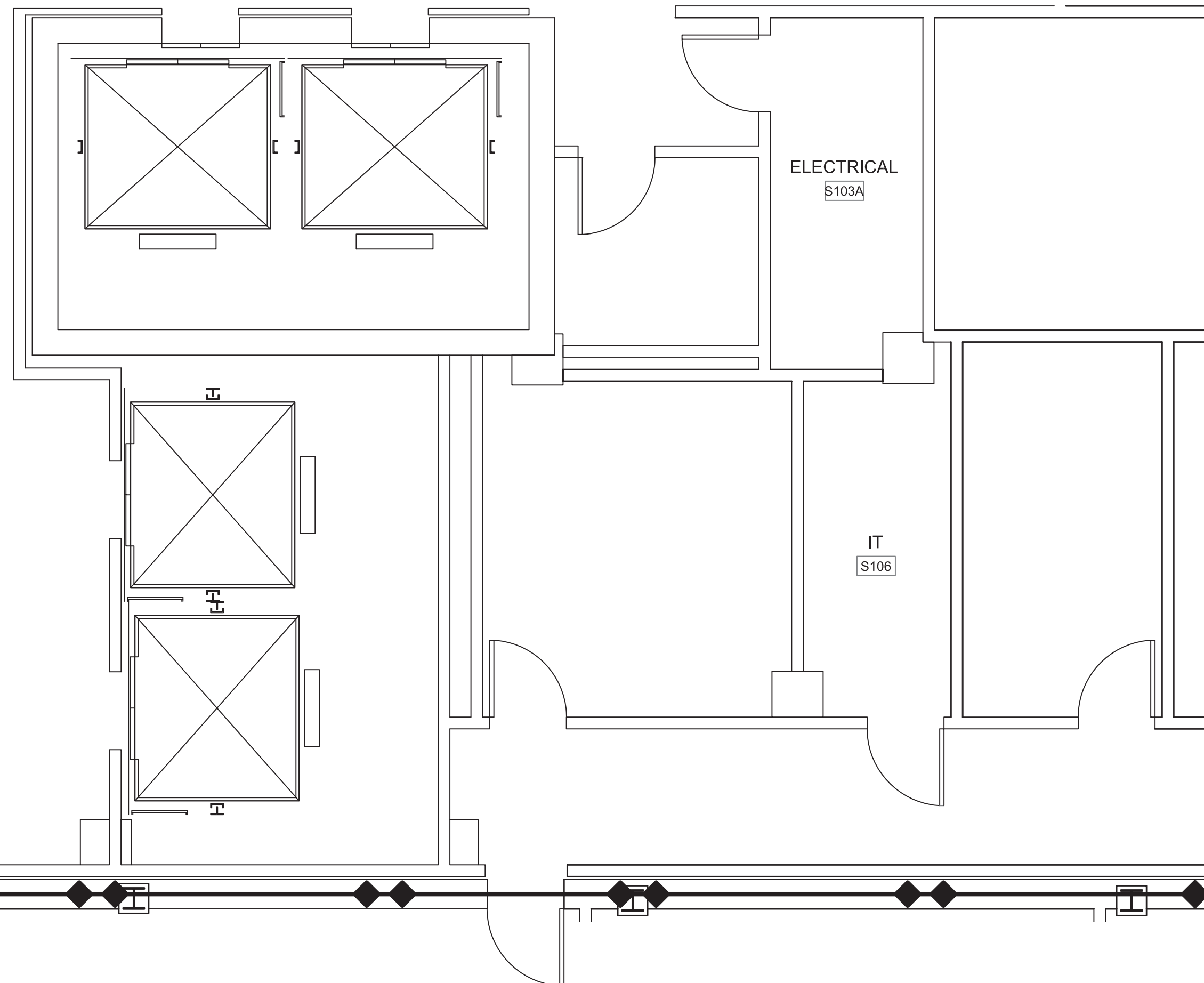
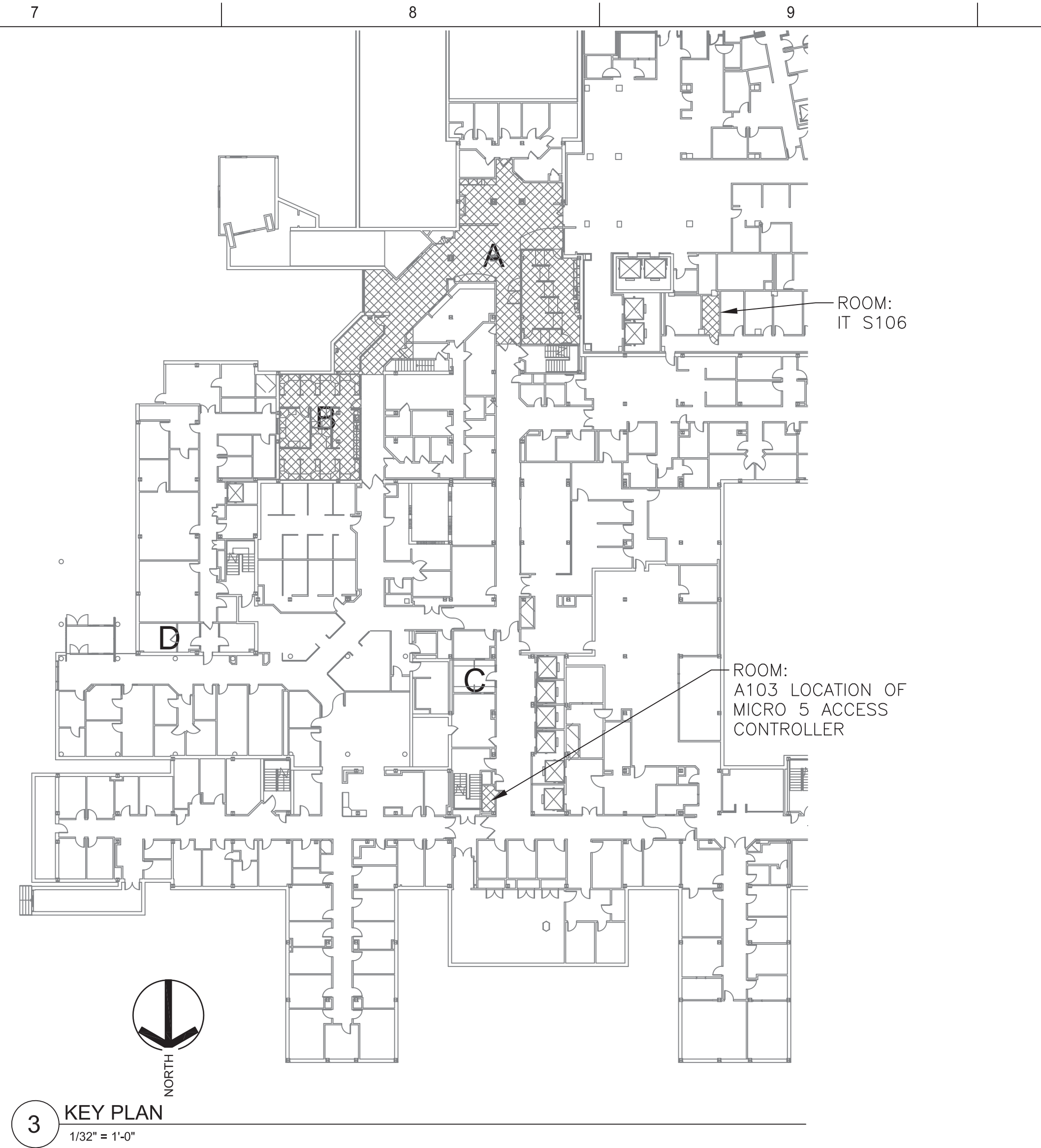
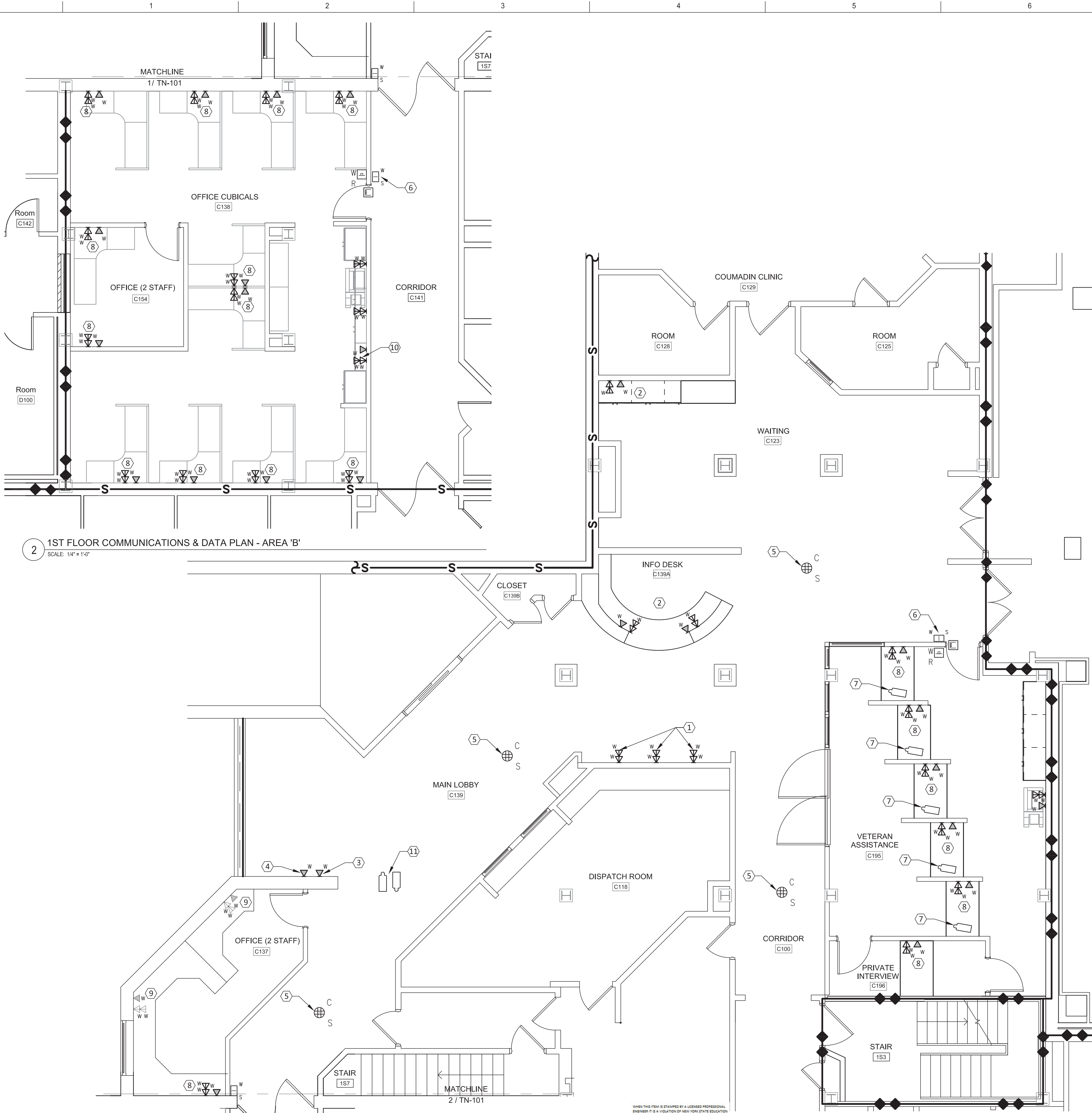
3 KEY PLAN  
SCALE: 1/32" = 1'-0"

SEE T-001 FOR GENERAL NOTES AND LEGENDS

|                      |  |  |              |  |   |  |  |  |  |  |  |  |   |  |   |                          |  |              |  |            |  |              |
|----------------------|--|--|--------------|--|---|--|--|--|--|--|--|--|---|--|---|--------------------------|--|--------------|--|------------|--|--------------|
|                      |  |  | CONSULTANTS: |  | STAMP   |  | ARCHITECTS/ENGINEERS:  |  | Drawing Title:<br>COMMUNICATIONS, DATA, & SECURITY<br>DEMOLITION PLAN  |  | Project Title:<br>BUSINESS OFFICE RENOVATION |  | Project Number:<br>528A7-14-701                   |  |  Department of<br>Veterans Affairs |                          |  |              |  |            |  |              |
|                      |  |  |              |  |  |  | <br>www.rjr.com<br>RJR ENGINEERING, P.C.<br>PROFESSIONAL ENGINEERS<br>P.O. BOX 344 - 23 Mechanic Street<br>Springville, New York 14141-0344 |  | <br>SWB ARCHITECTS<br>309 South Franklin Street Syracuse, NY 13202<br>Voice: 315.488.5635 www.swbor.com |  |  |  | Building Number:<br>1                             |  |   | Drawing Number:<br>TD102 |  |              |  |            |  |              |
| No. Description Date |  |  | REVISIONS    |  |   |  | RJR Project # 10036  |  | SWB Project # 10036  |  | Approved: Project Director                   |  | Location: 800 Irving Avenue<br>Syracuse, NY 13210 |  |   | Date: 12/02/15           |  | Checked: TRG |  | Drawn: RJA |  | Dwg 53 of 56 |



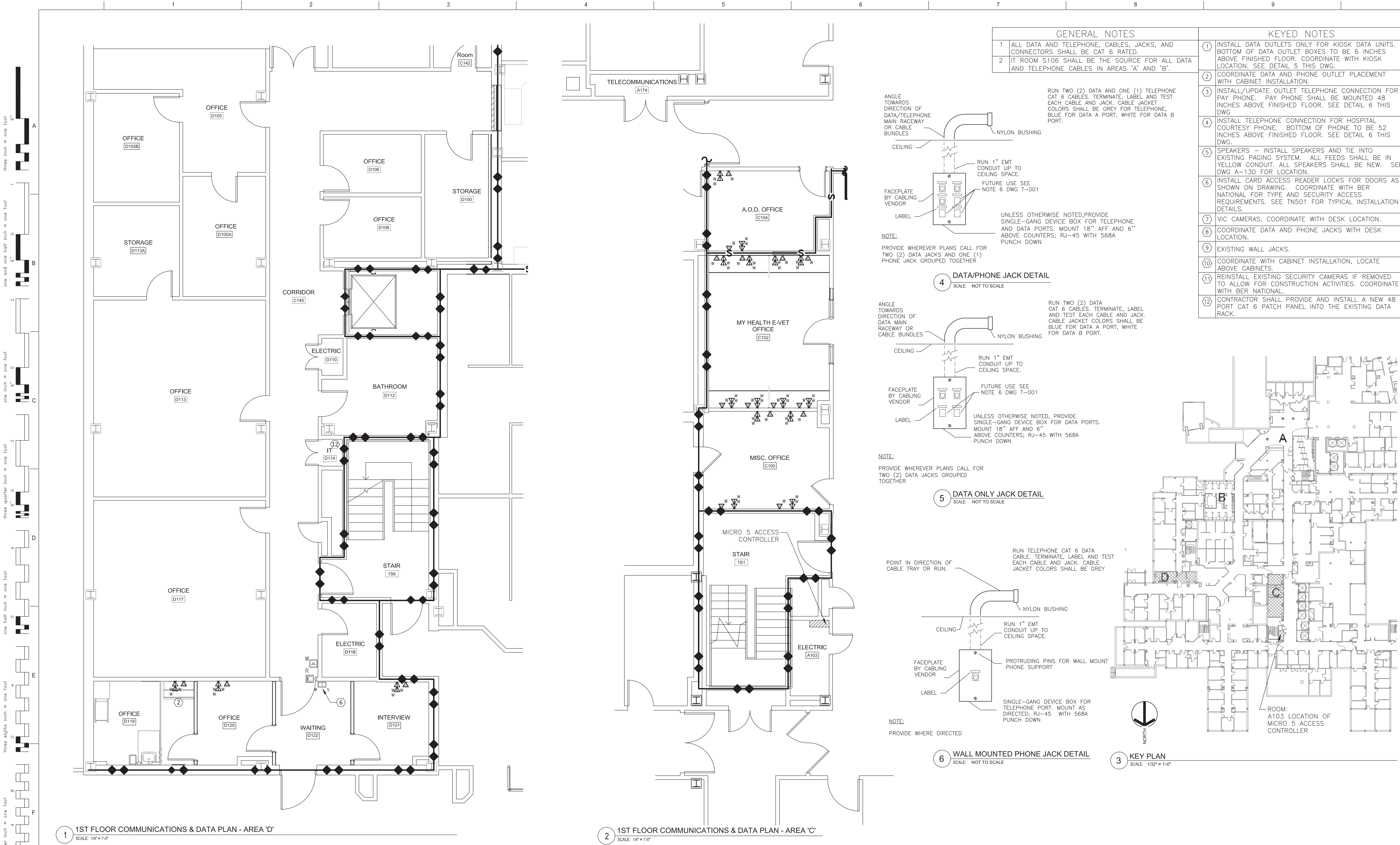
three inch = one foot  
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SEE T-001 FOR GENERAL NOTES AND LEGENDS  
SEE TN102 FOR TN SERIES GENERAL AND KEYED NOTES

|  |  |  |              |  |       |  |  |  |   |  |   |  |                                 |  |                                |  |  |  |
|--|--|--|--------------|--|-------|--|--|--|---|--|---|--|---------------------------------|--|--------------------------------|--|--|--|
|  |  |  | CONSULTANTS: |  | STAMP |  | ARCHITECTS/ENGINEERS:  |  | Drawing Title:<br>COMMUNICATIONS, DATA, & SECURITY PLAN |  | Project Title:<br>BUSINESS OFFICE RENOVATION      |  | Project Number:<br>528A7-14-701 |  |                                |  |  |  |
|  |  |  |              |  |       |  | <div><div><p>RJR ENGINEERING, P.C.<br/>PROFESSIONAL ENGINEERS<br/>P.O. BOX 344 - 22 Mechanics Street<br/>Syracuse, New York 14121-0344</p></div><div>SWBR ARCHITECTS<br/>309 South Franklin Street<br/>Syracuse, NY 13202<br/>Voice: 315.488.5635 www.swbr.com</div></div> |  |   |  | Location: 800 Irving Avenue<br>Syracuse, NY 13210 |  | Building Number:<br>1           |  | Drawing Number:<br>TN101       |  |  |  |
|  |  |  |              |  |       |  |  |  | Approved: Project Director                              |  | Date: 12/02/15                                    |  | Checked: TRG                    |  | Drawn: CGR                     |  |  |  |
|  |  |  |              |  |       |  |  |  |   |  |   |  | Dwg 54 of 56                    |  | Department of Veterans Affairs |  |  |  |





1ST FLOOR COMMUNICATIONS & DATA PLAN - AREA 'D'

1

SCALE: 1/4" = 1'-0"

1ST FLOOR COMMUNICATIONS & DATA PLAN - AREA 'C'

2

SCALE: 1/4" = 1'-0"

3

KEY PLAN

SCALE: 1/32" = 1'-0"

CONSULTANTS:

STAMP

ARCHITECTS/ENGINEERS:

SWBR ARCHITECTS

309 South Franklin Street Syracuse, NY 13210

Voice: 315.488.5635 www.swbr.com

FULLY SPRINKLERED

CONSTRUCTION DOCUMENT

Drawing Title:  
COMMUNICATIONS, DATA, & SECURITY PLAN

Approved: Project Director

Project Title:  
BUSINESS OFFICE RENOVATION

Location: 800 Irving Avenue  
Syracuse, NY 13210

Date: 12/02/15

Checked: TRG

Drawn: CGR

Project Number:  
528A7-14-701

Building Number:  
1

Drawing Number:  
TN102

Dwg 55 of 56

Department of Veterans Affairs

VA FORM 08-6231, Oct 1978

1

2

3

4

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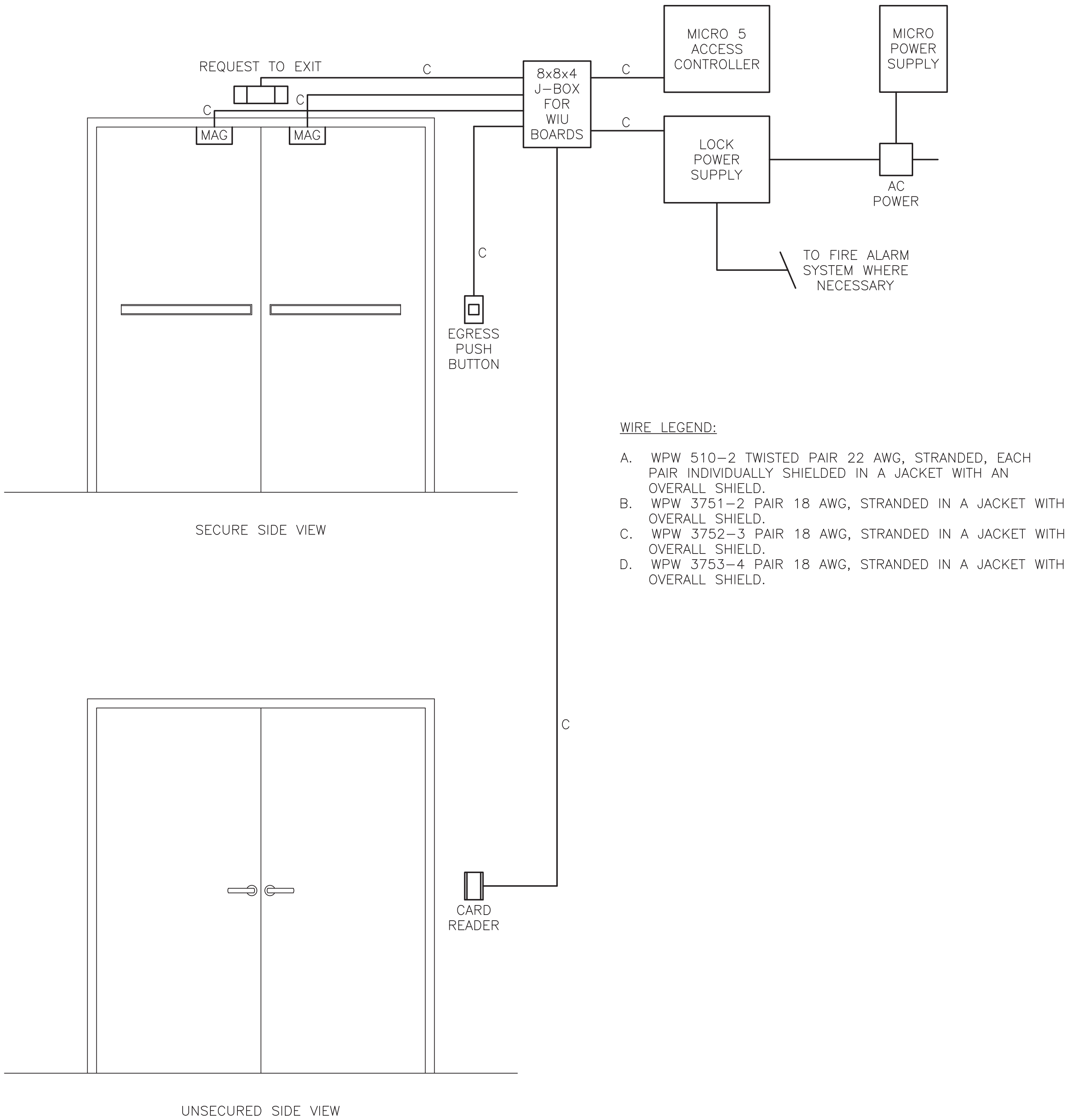
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8

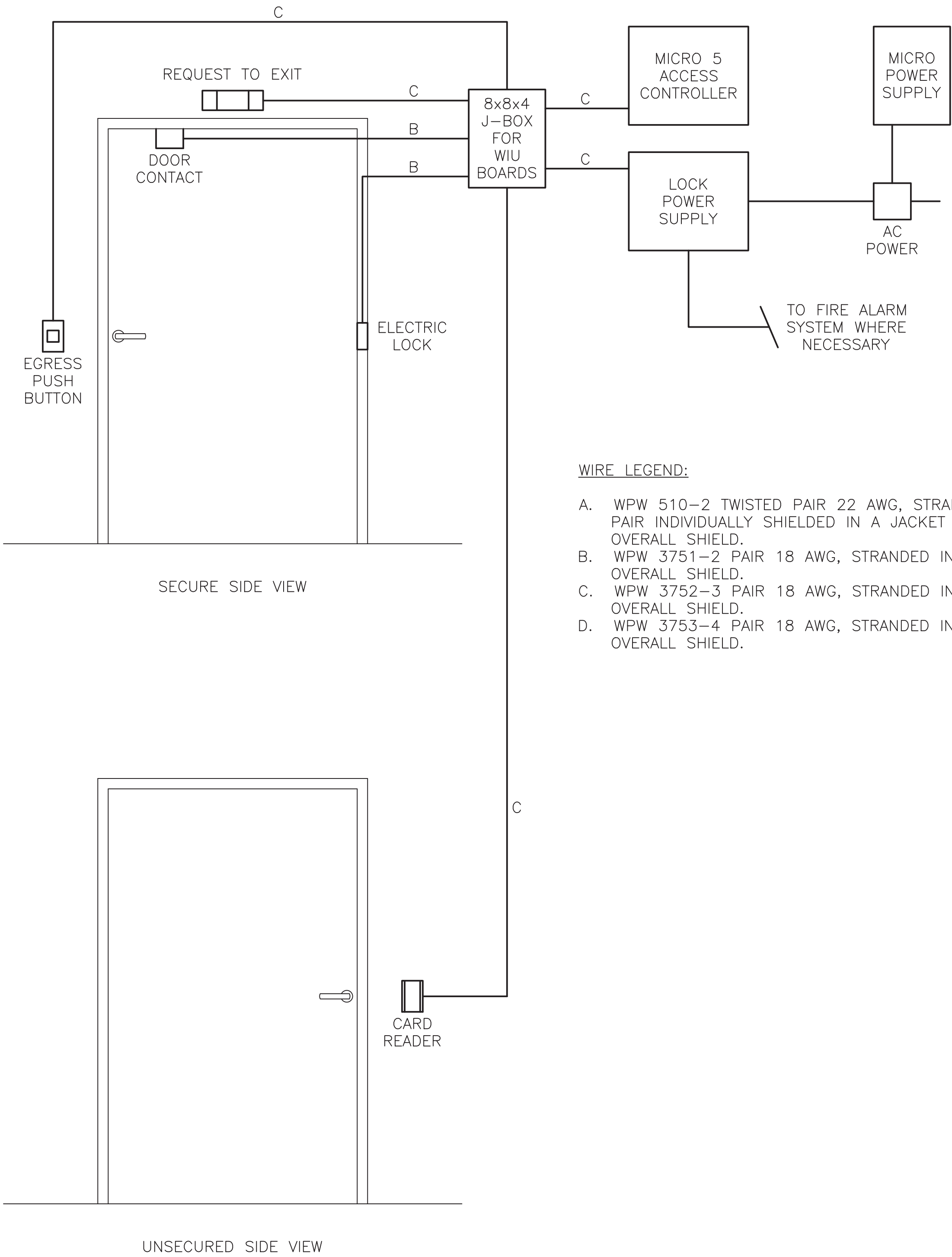
9



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one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



1 TYPICAL CARD READER 2 DOOR ACCESS RISER  
SCALE: NONE



2 TYPICAL CARD READER 1 DOOR ACCESS RISER  
SCALE: NONE

**ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM NOTES:**  
\*LOCATION OF MICRO 5 ACCESS CONTROLLER AND POWER SUPPLY MUST BE LOCATED AND PATH DETERMINED PRIOR TO WORK COMMENCING\*

CONTRACTOR MUST EMPLOY BER-NATIONAL CONTROLS, INC. (SYRACUSE, NY) TO PROVIDE THE FOLLOWING WORK (NO SUBSTITUTIONS):

- FURNISH AND INSTALL ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM COMPONENTS FOR VARIOUS SECURITY DOORS ASSOCIATED WITH PROJECT AREA. ACCESS CONTROL SYSTEM COMPONENTS INCLUDE, BUT ARE LIMITED TO, EXISTING DOOR ACCESS CONTROL PANEL EXPANSION, DOOR ACCESS CARD READERS, HARDWARE SETS, REQUEST-TO-EXIT DEVICES, CONTACTS, POWER SUPPLIES, ACCESS CARDS/KEYFOBS, SOFTWARE, PROGRAMMING, ECT.

CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE FOLLOWING WORK:

- FURNISHING AND INSTALLING ALL WIRING, RACEWAYS, BOXES, TERMINAL CONNECTIONS, ECT. FOR ACCESS CONTROL SYSTEM COMPONENTS PER ACCESS CONTROL SYSTEM MANUFACTURES WRITTEN RECOMMENDATIONS. 120V CIRCUITS ASSOCIATED WITH ACCESS CONTROL SYSTEM COMPONENTS SHALL BE CIRCUITED TO EXISTING LIFE SAFETY PANEL BOARD PER ACCESS CONTROL SYSTEM MANUFACTURERS WRITTEN RECOMMENDATIONS.
- ALL WIRING, RACEWAYS, BOXES, TERMINAL CONNECTION, ECT. PROVIDED BY CONTRACTOR SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF A VA APPROVED VENDOR.

THE ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH VA SECURITY HANDBOOK 07502 APPENDIX B AND VA MASTER SPECIFICATION DIVISION 28 – ELECTRONIC SAFETY AND SECURITY – PHYSICAL ACCESS CONTROL SYSTEM COORDINATE EXACT ACCESS CONTROL SYSTEM REQUIREMENTS WITH VA.

|              |  |  |       |  |                       |  |   |  |   |  |                                 |  |                                   |  |
|--------------|--|--|-------|--|-----------------------|--|---|--|---|--|---------------------------------|--|-----------------------------------|--|
| CONSULTANTS: |  |  | STAMP |  | ARCHITECTS/ENGINEERS: |  | FULLY SPRINKLERED   |  | CONSTRUCTION DOCUMENT                             |  |                                 |  |                                   |  |
|              |  |  |       |  |                       |  | Drawing Title:<br>ELECTRONIC ACCESS CONTROL<br>WIRING DIAGRAM |  | Project Title:<br>BUSINESS OFFICE RENOVATION      |  | Project Number:<br>528A7-14-701 |  |                                   |  |
|              |  |  |       |  |                       |  | Approved: Project Director                                    |  | Location: 800 Irving Avenue<br>Syracuse, NY 13210 |  | Building Number:<br>1           |  |                                   |  |
|              |  |  |       |  |                       |  |   |  | Date:<br>10/01/15                                 |  | Checked:<br>TRG                 |  | Drawing Number:<br>TN501          |  |
|              |  |  |       |  |                       |  |   |  |   |  | Dwg 56 of 56                    |  | Department of<br>Veterans Affairs |  |